

APPALACHIAN STATE TEACHERS COLLEGE



GENERAL CATALOG.

1965-1966

Volume LXIII Number 3 March, 1965
BULLETIN OF APPALACHIAN STATE TEACHERS COLLEGE
Published quarterly by Appalachian State Teachers College. Entered
as second-class matter at the Post Office at Boone, North Carolina,
under the Act of Congress, August 24, 1912.

BULLETIN OF

APPALACHIAN STATE
TEACHERS COLLEGE

Announcements for
1965-1966



Boone, North Carolina
28608

WHOM TO WRITE

For further information and prompt attention, inquiries in specific areas should be addressed to the appropriate office at Appalachian State Teachers College, Boone, North Carolina, 28608.

General Information and College Policy	<i>President</i>
Business Affairs and Finances	<i>Director of Business Affairs</i>
Undergraduate Admissions and Catalogs	<i>Director of Admissions</i>
Graduate Admissions, Graduate Curriculum and Requirements, and Catalogs	<i>Director of Graduate Studies</i>
Records, Certification Requirements, Curriculum Requirements, and All Transcripts	<i>Registrar</i>
Student Welfare and Housing	<i>Dean of Student Affairs</i>
Faculty Appointments and Instruction ..	<i>Dean of Academic Affairs</i>
Foundations, "Heartline," Public Relations, and Public Events	<i>Director of Public Affairs</i>
Teacher Placement	<i>Director of Placement</i>
Student Aid	<i>Committee on Student Scholarships and Financial Aid</i>

OFFICE HOURS

Administrative offices are open daily from 8:00 to 12:00 noon and 1:00 to 5:00 p.m. Monday through Friday, and from 8:00 to 12:00 noon on Saturday, except on legal holidays. The college telephone number is 264-8871.

FACULTY	▶
STUDENT LIFE	▶
ADMISSIONS	▶
EXPENSES	▶
ACADEMIC REQUIREMENTS AND REGULATIONS	▶
GRADUATE STUDIES	▶
DEPARTMENTS	▶
ART	▶
BIOLOGY	▶
CHEMISTRY AND PHYSICAL SCIENCE	▶
ECONOMICS AND BUSINESS	▶
EDUCATION	▶
ENGLISH	▶
FOREIGN LANGUAGES	▶
GEOGRAPHY AND GEOLOGY	▶
HEALTH AND PHYSICAL EDUCATION	▶
HISTORY	▶
HOME ECONOMICS	▶
INDUSTRIAL ARTS	▶
LIBRARY SCIENCE	▶
MATHEMATICS	▶
MUSIC	▶
PHILOSOPHY AND RELIGION	▶
PHYSICS	▶
POLITICAL SCIENCE	▶
PSYCHOLOGY	▶
SOCIOLOGY AND ANTHROPOLOGY	▶
SPEECH	▶

MAY	JUNE	JULY	AUGUST
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JANUARY							FEBRUARY							MARCH							APRIL						
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15	16	17	18	19	20	21	12	13	14	15	16	17	18	12	13	14	15	16	17	18	9	10	11	12	13	14	15
22	23	24	25	26	27	28	19	20	21	22	23	24	25	19	20	21	22	23	24	25	16	17	18	19	20	21	22
29	30	31					26	27	28					26	27	28	29	30	31		23	24	25	26	27	28	29

MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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7	8	9	10	11	12	13	4	5	6	7	7	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12
14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19
21	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26
28	29	30	31				25	26	27	28	29	30		23	24	25	26	27	28	29	27	28	29	30	31		

SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9
10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16
17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23
24	25	26	27	28	29	30	29	30	31					26	27	28	29	30			24	25	26	27	28	29	30

COLLEGE CALENDAR 1965-66

Fall Quarter 1965

Official opening, first faculty meeting, Tuesday, 9:00 a.m.	September 7
Faculty workshop, Tuesday-Wednesday	September 7-8
Dormitories open for freshmen and transfer students, 9:00 a.m., Tuesday	September 7
First meal in cafeteria, 12:00 noon, Tuesday	September 7
Freshman orientation program begins, Physical Education Building, 2:00 p.m., Tuesday	September 7
Freshman test and registration, schedule to be announced, Tuesday	September 7
Dormitories open for upperclassmen, 10:00 a.m., Wednesday	September 8
Upperclass and graduate student registration, 8:30-5:00, Thursday	September 9
Upperclass classes begin, 8:00 a.m., Friday	September 10
Freshman classes begin, 8:00 a.m., Saturday	September 11
Convocation, Physical Education Building, 10:00 a.m., Wednesday	September 15
Registration closes; classes must be met on Friday	September 17
Meeting of students expecting to do student teaching winter quarter, Elementary School Auditorium, 4:15 p.m., Thursday	September 23
National Teacher Examinations, Saturday	October 2
Mid-term week	October 11-16
Homecoming, Saturday	October 23
Meeting of students expecting to do student teaching 1966-67, Elementary School Auditorium, 4:15 p.m., Wednesday	November 3
Graduate Record Examination, Saturday	November 13
Classes meet as scheduled until 12:00 noon, Thursday	November 18
Last day for filing applications for student teaching, 1966-67, 12:30 p.m., Wednesday	November 24
Final examinations	November 18 (7:00 p.m.), 19, 20, 22, 23, 24
Fall quarter closes, 4:00 p.m., Wednesday	November 24
Thanksgiving holidays	November 25-November 29

Winter Quarter 1965-66

Registration, 8:30-5:00, Tuesday	November 30
Classes begin, 8:00 a.m., Wednesday	December 1
Registration closes; classes must be met on Tuesday	December 7
Convocation, Physical Education Building, 10:00 a.m., Thursday	December 16
Christmas holidays begin, 12:00 noon, Friday	December 17
Classes resume, 8:00 a.m., Monday	January 3
Meeting of students expecting to do student teaching spring quarter, Elementary School Auditorium, 4:15 p.m., Wednesday	January 5
Mid-term week	January 17-22
Classes meet as scheduled until 12:00 noon, Thursday	February 24
Final examinations	Thursday, February 24 (7:00 p.m.) , 25, 26, 28, March 1, 2
Winter quarter closes, 4:00 p.m., Wednesday	March 2

Spring Quarter 1966

Registration, 8:30-5:00, Tuesday	March 8
Classes begin, 8:00 a.m., Wednesday	March 9
Registration closes; classes must be met on Tuesday	March 15
National Teacher Examinations, Saturday	March 19

Meeting of students expecting to do student teaching fall quarter,

Elementary School Auditorium, 4:15 p.m., Wednesday	March 23
Mid-term week	April 4-7
Easter holidays begin, 4:00 p.m., Thursday	April 7
Classes resume, 8:00 a.m., Wednesday	April 13
Spring Festival	April 29-30
Convocation, Physical Education Building, 10:00 a.m., Wednesday	May 4
Classes meet as scheduled until 12:00 noon, Friday	May 20
Final examinations	Friday, May 20 (7:00 p.m.), 21, 23, 24, 25, 26
Spring quarter closes, 4:00 p.m., Thursday	May 26
Commencement exercises, 10:30 a.m., Friday	May 27

Summer Quarter 1966

Faculty Meeting, Fine Arts Auditorium, 7:30 p.m., Tuesday	June 7
Registration, 8:00 a.m., Wednesday	June 8
Classes begin, 7:30 a.m., Thursday	June 9
Registration closes; classes must be met on Thursday	June 16
Mid-term week	July 11-14
National Teacher Examination, Saturday	July 16
Final examinations	August 15-16-17
Commencement exercises, 7:00 p.m., Wednesday	August 17

First Term

First term classes will meet on Saturday, June 11 and 25.

Registration, 8:00 a.m., Wednesday	June 8
Classes begin, 7:30 a.m., Thursday	June 9
Registration closes; classes must be met on Friday	June 10
Examinations, Tuesday and Wednesday	July 12-13

Second Term

Second term classes will meet on Saturday, July 16, 23, and August 6.

Registration, 8:00 a.m., Thursday	July 14
Classes begin, 7:30 a.m., Friday	July 15
Registration closes; classes must be met on Saturday	July 16
Examinations, Tuesday and Wednesday	August 16-17

PERSONNEL

Board of Trustees

WILLIAM J. CONRAD, <i>Chairman</i>	Winston-Salem
JOHN P. FRANK, <i>Vice-Chairman</i>	Mount Airy
CLAUDE C. ARMFIELD, Jr.	Lenoir
MRS. J. ED. BROYHILL	Lenoir
GEORGE CORN	Shelby
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E. G. LACKEY	Winston-Salem
LESTER P. MARTIN, Jr.	Mocksville
WILLIAM B. RANKIN	Lincolnton
WAYNE H. SHOAF	Lexington
JOHN H. VICKERS	Charlotte
W. R. WINKLER, Sr.	Boone

The President of the College serves as Secretary to the Board of Trustees and its committees.

Executive Committee: W. R. WINKLER, Sr., *Chairman*, GEORGE CORN, JOHN P. FRANK, J. B. HAGAMAN, Jr., WILLIAM B. RANKIN.

Administrative Officers

WILLIAM HOWARD PLEMMONS, A.B., A.M., Ph.D., LL.D. (1955)	<i>President</i>
DAVID BARNARD DOUGHERTY*, B.S. (1929)	<i>Vice-President and Comptroller</i>
JOHN FALLAW BOZARD**, B.A., M.A., Ph.D., (1957)	<i>Dean of Academic Affairs</i>
CRATIS DEARL WILLIAMS, A.B., M.A., Ph.D. (1942)	<i>Director of Graduate Studies</i>
HERMAN ROLAND EGGERS, A.B., M.A., (1929)	<i>Dean of Student Affairs</i>
OMRI KENNETH WEBB, Jr., B.A., B.D., Ph.D. (1962)	<i>Assistant Dean of Student Affairs</i>
BENJAMIN FRANKLIN STRICKLAND, B.S., M.Ed., Ed.D. (1962)	<i>Registrar</i>
JAMES DANIEL LACEY, B.S., M.Ed., Ed.D. (1962)	<i>Director of Admissions</i>
MAXIE GREENE EDMISTEN, B.S., M.A. (1956)	<i>Dean of Women</i>
RONNY LEONARD BROOKS, B.S. (1957)	<i>Dean of Men</i>
WILLIAM LEONARD EURY, A.B., B.S. in L.S., M.S. in L.S. (1929)	<i>Librarian</i>
ROBERT TRAWICK ALLEN, Jr., A.B. (1960)	<i>Director of Public Affairs</i>
NED REEVES TRIVETTE, B.S., M.A.,	<i>Director of Business Affairs</i>

FACULTY COUNCILS

The President is a member, ex-officio, of all Faculty Councils and Committees.

The first name on a council or committee designates the chairman.

Administrative: W. H. Plemmons, R. T. Allen, Jr., J. F. Bozard, H. R. Eggers, J. D. Rankin, Ned R. Trivette, Cratis D. Williams.

Graduate: Cratis D. Williams, J. F. Bozard, Howard S. Decker, F. Ray Derrick, G. P. Eggers, H. R. Eggers, W. E. Fulmer, J. E. Harrill, Ben H. Horton, Jr., Isabel Jones, Ila T. Justice, Uberto Price, J. Roy Prince, John A. Pritchett, Lee F. Reynolds, O. Paul Sanders, N. W. Shelton, W. G. Sink, W. G. Spencer, Ben F. Strickland, O. R. Sutton, M. L. Walters, J. C. Yoder.

* Deceased March 26, 1965.

** Resigned effective June 30, 1965.

School: W. H. Plemmons, H. R. Eggers (Vice-chairman), R. L. Brooks, Maxie G. Edmisten, Francis Hoover, Eloise C. Melton. Also, five senior representatives from the Student Council, including the President of the Student Body.

Summer Quarter: J. F. Bozard, R. R. Blanton, Jr., A. M. Denton, Jr., F. R. Derrick, R. W. Watkins (1966), G. T. Buckland, Lee F. Reynolds, B. F. Strickland, J. C. Yoder (1967), J. F. Bozard, Howard S. Decker, B. H. Horton, Jr., C. D. Williams (1968).

Teacher Education: Ben H. Horton, Jr., Mary Brown Allgood, J. F. Bozard, Grace Councill, J. Max Dixon, G. P. Eggers, H. R. Eggers, J. Roy Prince, Eunice Query, J. Frank Randall, Lee Reynolds, David Rigsby, Paul Sanders, W. G. Sink, W. G. Spencer, Orus Sutton, Thomas L. Tedford, M. L. Walters, Cratis Williams.

FACULTY COMMITTEES

Admissions: James D. Lacey, R. L. Brooks, Maxie G. Edmisten, O. K. Webb are ex-officio members. Alfred M. Denton, Jr., C. L. Isley, Jr., R. E. Thomas, (1966), Ruby Akers, Eric DeGroat, J. F. Jones, Arnold D. McEntire, J. Frank Randall, James Sawyer, (1968).

Advanced Placement and Honors Program: James D. Lacey, J. F. Bozard, F. Ray Derrick, G. P. Eggers, Lee Reynolds, Paul Sanders, W. G. Sink, W. G. Spencer.

Artists and Lecture Series: Rogers V. Whitener, C. L. Isley, Jr., W. G. Sink, Ina W. Van Noppen, (1966), Clarence Bunch, D. A. French, Samuel H. Pettigrew, (1967), Carl H. Bredow, Elizabeth Fox, V. O. Stumpf, Rogers V. Whitener, (1968).

Athletics: Leo K. Pritchett, W. E. Fulmer, (1966), Walton S. Cole, W. G. Sink, (1967), Leo K. Pritchett, R. E. Thomas, (1968).

Awards for Advanced Graduate and Professional Study: C. D. Williams, E. H. Gibson, III, Ina W. Van Noppen, (1966), I. W. Carpenter, Jr., Cratis Williams, (1967), R. T. Allen, Jr., Paul B. Patterson, W. G. Sink, (1968).

College Publications: J. R. Melton, John F. Corey, Isabel Jones, (1966), Howard Decker, Ina W. Van Noppen, (1967), Nicholas Erneston, J. R. Melton, (1968).

Curriculum: J. F. Bozard, Mary B. Allgood, Clarence Bunch, W. O. Connolly, Howard S. Decker, F. Ray Derrick, G. P. Eggers, H. R. Eggers, W. L. Eury, B. H. Horton, Jr., Ila T. Justice, J. Roy Prince, O. P. Sanders, W. G. Sink, W. G. Spencer, B. F. Strickland, O. R. Sutton, T. L. Tedford, M. L. Walters, C. D. Williams, J. C. Yoder.

Library: Uberto Price, Kathryn C. Tully, M. L. Walters, Vivian Welborn, (1966), J. Max Dixon, W. A. Hawkinson, George B. Miles, Eunice Query, (1967), Ruby Akers, Nicholas Erneston, Beulah Campbell, Thomas L. Tedford, (1968).

Readmissions and Academic Discipline: O. K. Webb, Maxie G. Edmisten, Ben F. Strickland, (1966), Ronny L. Brooks, Eloise Melton, (1967), Francis Hoover, Frank Steckel, (1968).

Registration: Ben F. Strickland, J. F. Bozard, O. P. Sanders, Ned Trivette, (1966), O. K. Webb, C. D. Williams, (1967), Howard S. Decker, F. Ray Derrick, (1968).

Safety and Prevention: S. N. Stacy, Jr., Ronny L. Brooks, H. J. Cottrell, (1966), I. W. Carpenter, O. K. Webb, Jr., (1967), S. N. Stacy, Jr., (1968).

Screening: O. K. Webb, Jr., J. F. Bozard, W. E. Fulmer, James D. Lacey, J. Roy Prince, O. P. Sanders, Ben F. Strickland, M. L. Walters.

Student Publications: John F. Corey, J. F. Jones, (1960), Ruby L. Akers, (1967), John F. Corey, (1968), teacher of journalism or sponsor of *The Appalachian*, sponsor of *The Rhododendron*, sponsor of the *Student Handbook*, and four elected student officers of *The Appalachian* and *The Rhododendron*.

Student Scholarships and Financial Aid: O. K. Webb, Jr., Maxie G. Edmisten, James D. Lacey, O. P. Sanders, J. C. Yoder, (1966), Ronny L. Brooks, Nicholas Erneston, Jane Riner, Samuel H. Pettigrew, Rogers Whitener, (1967), Eric De Groat, Isabel Jones, Bart C. Pater, Kent Robinson, O. K. Webb, Jr., (1968).

Student Teaching and Placement: B. H. Horton, Jr., W. E. Fulmer, ex-officio. R. R. Blanton, Jr., B. H. Horton, Jr., J. T. Howell, R. L. Randall, (1966), Ruby Akers, G. T. Buckland, Eloise Melton, (1967), Cleone Hodges, W. Dean Meredith, J. Roy Prince, O. R. Sutton, (1968).

The Faculty

With the exception of the President the members of the faculty are listed alphabetically with the year of appointment given after each name.

WILLIAM HOWARD PLEMMONS (1955).....*President*
A.B., LL.D., Wake Forest College; A.M., Duke University; Ph.D., University of North Carolina.

RUBY LAVELLE AKERS (1960).....*Assistant Professor of English*
A.B., Mary Hardin-Baylor College; M.A., Appalachian State Teachers College.

JOANNE BRANNON ALDRIDGE (1962).....*Instructor in English*
B.S., Appalachian State Teachers College; two years of graduate study, University of North Carolina.

MARY BROWN ALLGOOD (1961).....*Professor and Chairman of the Department of Home Economics*
B.S., Madison College; M.S., Iowa State University.

DONALD HOPSON ASKINS (1963).....*Instructor in English*
B.A., Auburn University; M.A., Ph.D. Candidate, University of Virginia.

DOROTHY ANN ATWELL (1962).....*Instructor in Music*
B.M., Mississippi State College for Women; M.A., Teachers College, Columbia University.

GELENE ANDREWS ATWOOD (1956).....*Instructor in Chemistry*
A.B., Woman's College of the University of North Carolina.

JOHN PAUL BAGLEY* (1959).....*Assistant Professor of Education and Assistant Director of Student Personnel Services*
B.S., University of Tampa; M.A., Appalachian State Teachers College.

RALPH W. BALL (1964).....*Associate Professor of Mathematics*
B.A., Pomona College; M.A., University of Southern California; M.S., Ph.D., New Mexico State University.

VERA ELLEN BALL (1964).....*Instructor in Physical Education*
B.S., Carson-Newman College; M.S., University of Tennessee.

JOHN GLENN BARDEN (1944).....*Professor of Education*
A.B., University of North Carolina; A.M., Teachers College, Columbia University; Ph.D., Columbia University.

HERMAN STEPHEN BEKEMEYER (1962).....*Instructor in Music*
B.M.E., M.M.E., Florida State University.

ANNIE MAE BLACKBURN (1956).....*Instructor in Business Education*
B.S., M.A., Appalachian State Teachers College.

EDNA FAYE BLOODWORTH (1964).....*Instructor in Physical Education*
B.S., Middle Tennessee State College; M.S., University of Tennessee.

* Resigned effective March 3, 1965.

- CARL MILTON BLUE (1963) *Associate Professor of Education*
 B.S., Southwest Missouri State College; M.A., Louisiana State University;
 Ph.D., George Peabody College for Teachers.
- ELLIS GREY BOATMON (1961) *Assistant Professor of History*
 A.B., University of Southern Mississippi; M.A., University of South Carolina;
 Ph.D. Candidate, University of South Carolina.
- BEN GESS BOSWORTH, JR. (1960) *Assistant Professor of Education*
 B.S.Ed., M.A., Ed.D., University of Virginia.
- JOHN FALLAW BOZARD (1957) *Professor of English and Dean of*
Academic Affairs
 B.A., Furman University; M.A., University of Virginia; Ph.D., Cornell University.
- MADLINE BRADFORD (1964) *Assistant Professor of Education*
 B.S., M.A., Appalachian State Teachers College.
- CARL H. BREDOW (1964) *Assistant Professor of Foreign Languages*
 B.S., M.A., two years further study, Columbia University.
- RONNY LEONARD BROOKS (1957) *Dean of Men*
 B.S., North Carolina State College.
- GOLDEN THADDEUS BUCKLAND (1949) *Professor of Mathematics*
 B.S., M.A., Appalachian State Teachers College; D.Ed., The Pennsylvania
 State University.
- CLARENCE B. BUNCH, JR. (1963) *Associate Professor and Chairman of the*
Department of Art
 B.S., M.A., University of Missouri.
- CHRISTINE CALVERT (1964) *Assistant Professor of Home Economics*
 B.S., Arkansas State Teachers College; M.S., University of Arkansas.
- BEULAH CAMPBELL (1957) *Associate Professor of Education*
 A.B., M.A., Western Kentucky State Teachers College.
- IRVIN WATSON CARPENTER, JR. (1953) *Associate Professor of Biology*
 B.S., M.S., Ph.D., Purdue University.
- JESSIE LUELLA CARPENTER (1954) *Assistant Professor of Speech*
 A.B., DePauw University; M.S., Purdue University.
- ROGER MYRON CLITES (1963) *Assistant Professor of Economics*
 A.B., Milligan College; M.A., University of Tennessee.
- JAMES M. COLE (1963) *Assistant Professor of Education*
 B.S., M.Ed., University of Cincinnati.
- WALTON SMITH COLE (1951) *Associate Professor of Music*
 B.A., Southwestern at Memphis; M.M., University of Arizona.
- WALTER CURTIS CONNOLLY (1963) *Professor and Chairman of the*
Department of Physics
 A.B., Miami University; M.S., University of Illinois; Ph.D., The Catholic
 University of America.
- FRANCIS CONNOR COOK (1952) *Associate Professor of English*
 B.A., M.A., University of Texas.
- JOHN FARIS COREY (1958) *Assistant Professor of Education and Executive*
Secretary of the Alumni Association
 B.S., M.A., Appalachian State Teachers College; Ed.D. Candidate, Duke
 University.
- GRACE MCNINCH COUNCILL (1956) *Professor of Education*
 B.S., Appalachian State Teachers College; M.A., University of North Carolina.
- BILLIE FLETCHER CULLIVAN (1964) *Part-time Instructor in Physical Science*
 B.S., M.A., Murray State College.
- JAMES CULLIVAN (1964) *Associate Professor of Physical Education*
and Assistant Coach of Football
 B.S., M.A., Murray State College; one year further study, Indiana University.

- HOWARD SEELEY DECKER (1959) *Professor and Chairman of the Department of Industrial Arts*
B.S., M.S., State University of New York; M.A., Ed.D., Teachers College, Columbia University.
- ERIC BROOKS DEGROAT (1959) *Assistant Professor of Physical Education*
B.S., Springfield College; M.A., New York University.
- ALFRED MAXEY DENTON, JR. (1962) *Associate Professor of Sociology*
B.S., Oklahoma State University; M.A., Ph.D., University of North Carolina.
- MAY EVANS DENTON (1961) *Associate Professor of Physical Science*
B.S., Georgia State College for Women; M.S., Vanderbilt University.
- FINNIS RAY DERRICK (1946) *Professor and Chairman of the Department of Biology*
B.S., M.S., Ph.D., University of South Carolina.
- JEFFERSON MAX DIXON (1956) *Associate Professor of History*
A.B., M.A., Emory University; Ph.D., George Peabody College for Teachers.
- EDWIN SHULL DOUGHERTY (1938) *Professor of History*
B.S., Appalachian State Teachers College; M.A., George Peabody College for Teachers.
- EUGENE CHRISTOPHER DROZDOWSKI (1961) *Assistant Professor of History*
B.A., Alfred University; M.A., Ph.D., Duke University.
- JAMES HAMPTON DUNCAN* (1959) *Instructor in Physical Education and Coach of Football*
B.S., Wake Forest College.
- LAWRENCE EDWARDS (1964) *Professor of English*
A.B., Lincoln Memorial University; M.A., Ph.D., University of Tennessee.
- DAISY WILLIAMS EGGERS (1954) *Assistant Professor of English*
B.S., M.A., Appalachian State Teachers College.
- GRAYDON POE EGGERS (1927) *Professor and Chairman of the Department of English*
B.A., Carson-Newman College; A.M., Ph.D., Duke University.
- HERMAN ROLAND EGGERS (1929) *Professor of Social Science and Dean of Student Affairs*
A.B., Carson-Newman College; M.A., George Peabody College for Teachers.
- TERRY ELMER EPPERSON, JR. (1962) *Associate Professor of Geography*
B.S., East Tennessee State College; M.S., University of Kentucky; Ph.D., University of Tennessee.
- NICHOLAS ERNESTON (1948) *Professor of Music*
B.M.Ed., Shenandoah Conservatory; M.M., Cincinnati Conservatory of Music; Ph.D., Florida State University.
- ELIZABETH FOX (1957) *Assistant Professor of Music*
B.M., M.M.Ed., North Texas State College.
- DAVID ARTHUR FRENCH (1959) *Associate Professor of Speech*
B.S., Kansas State Teachers College; M.F.A., Yale University.
- FRANCES STONE FULMER (1961) *Instructor in Mathematics*
A.B., Winthrop College; M.A., Appalachian State Teachers College.
- WILLIAM EDMUND FULMER (1955) *Professor of Education*
A.B., Catawba College; Ed.M., University of South Carolina; Ed.D., University of Missouri.
- EDWARD HIRAM GIBSON, III (1959) *Professor of History*
A.B., M.A., Ph.D., University of North Carolina.
- C. HAZEL GILSTRAP (1964) *Assistant Professor of Education*
B.A., Furman University; M.A., Appalachian State Teachers College.
- RAY LOGAN GRAHAM (1963) *Assistant Professor of Mathematics*
B.S., West Texas State University; M.A.T., New Mexico State University; Ph.D. Candidate, New Mexico State University.

* Resigned effective March 1, 1965.

- HOWARD A. L. GREER (1963) *Instructor in Biology*
B.S., Berea College; M.S., University of Kentucky; Ph.D., Iowa State University.
- MIGNONNE GRIGGS (1964) *Assistant Professor of Education*
B.S., Longwood College; M.Ed., Virginia Polytechnic Institute.
- CARL FERDINAND HAENSELMAN (1961) *Assistant Professor of Music*
B.Mus.Ed., M.Mus., University of Colorado; Ph.D. Candidate, Indiana University.
- JOHN WARD HAMILTON (1963) *Associate Professor of Foreign Languages*
B.A., M.A., University of Florida; Doctor en filosofia y letras, Universidad de Salamanca.
- RACHEL FINDLEY HANSON (1962) *Instructor in Home Economics*
B.S., Baldwin-Wallace College; M.S., Pennsylvania State University.
- CLARENCE LEONARD HARDY, II (1963) *Instructor in English*
B.A., Davidson College; M.A., University of Virginia.
- JAMES EDWARD HARRILL (1961) *Assistant Professor of Education and Director
of Student Personnel Services*
A.B., Berea College; M.A., George Peabody College for Teachers; Ph.D., University of North Carolina.
- MARTHA GREY HAWKINSON (1955) *Assistant Professor of Business Education*
B.A., B.S.S.A., Queens College; M.A., Appalachian State Teachers College.
- WALTER AXEL HAWKINSON (1945) *Associate Professor of Mathematics*
B.S., Washington and Jefferson College; M.A., Appalachian State Teachers College.
- FRIEDA M. HELLER (1964) *Visiting Associate Professor of Library Science*
A.B., University of Kentucky; B.S. in L.S., M.S. in L.S., Columbia University.
- CLEONE HAYNES HODGES (1938) *Associate Professor of Health and Physical
Education*
B.A., Northwestern State College; M.S., Louisiana State University.
- DAVID REID HODGIN (1946) *Professor of English*
B.A., M.A., University of North Carolina.
- FRANCIS LENTZ HOOVER (1945) *Professor of Health and Physical Education*
B.S., Appalachian State Teachers College; M.A., University of North Carolina; Dir.P.E., D.P.E., Indiana University.
- RENA CALDWELL HOOVER (1955) *Assistant Professor of History*
A.B., Coker College; M.A., Appalachian State Teachers College.
- BEN HASKEL HORTON, JR. (1950) *Professor and Chairman of the Department
of Education*
B.S., M.A., Appalachian State Teachers College; Ed.D., Florida State University.
- EARNY PIERRE HOTARD, JR. (1959) *Assistant Professor of Music*
B.M., Louisiana State University; M.M., Indiana University.
- WILLIAM ALEXANDER IMPERATORE (1963) *Instructor in Geography*
B.S., Slippery Rock State College; M.A., University of Georgia.
- CHARLES LEE ISLEY, JR. (1958) *Associate Professor of Music*
B.S., Davidson College; M.A., Appalachian State Teachers College.
- JAMES EDWIN JOHNSON (1962) *Associate Professor of Chemistry*
B.S., Emory and Henry College; M.S., Ph.D., Virginia Polytechnic Institute.
- ISABEL FLEMING JONES (1953) *Professor of Education*
B.S., M.Ed., Ed.D., University of Virginia
- JAMES FREDERICK JONES (1956) *Associate Professor of Business Education
and Business Manager of Athletics*
A.B., Elon College; M.A., East Carolina College.
- ILA TAYLOR JUSTICE (1949) *Associate Professor and Chairman of the
Department of Library Science*
A.B., Berea College; B.S. in L.S., M.S. in L.S., George Peabody College for Teachers.

- JAMES DANIEL LACEY (1962) *Assistant Professor of Education and
Director of Admissions*
B.S., Central Missouri State; M.Ed., Ed.D., University of Miami.
- ESTELA L. LEON (1963) *Instructor in Mathematics*
B.S., Friend's School; Ph.D., University of Havana.
- ROBERT GEORGE LIGHT (1957) *Assistant Professor of Physical Education
and Coach of Basketball*
B.S., M.S., Washington University.
- VIRGINIA WARY LINNEY (1929) *Professor of Music*
B.M., University of Nebraska; M.M., Cincinnati Conservatory of Music.
- JOHN PENDER MACBRYDE (1962) *Assistant Professor of English*
A.B., Davidson College; M.A., two years further study, University of North
Carolina.
- ARNOLD DAVID McENTIRE (1962) *Instructor in Mathematics*
B.S., M.A., Appalachian State Teachers College.
- BETTY RUTH McFARLAND (1962) *Part-time Instructor in English*
B.S., M.A., Appalachian State Teachers College.
- ROBERT BAYNARD McFARLAND (1961) *Assistant Professor of Education*
B.S., M.A., Appalachian State Teachers College.
- CARL GARNETT MEEKS (1958) *Professor of Health and Physical Education*
B.S., East Tennessee State College; M.A., University of Mississippi; Ed.D.,
Columbia University.
- ELOISE CAMP MELTON (1944) *Assistant Professor of History*
A.B., East Carolina College; M.A., George Peabody College for Teachers.
- JACK ROBERT MELTON (1950) *Professor of Education*
A.B., M.A., Duke University; Ph.D., University of North Carolina.
- WILLIAM DEAN MEREDITH (1962) *Assistant Professor of Education*
A.B., Lynchburg College; M.Ed., University of Virginia.
- CARL JOHN MESSERE (1962) *Instructor in Business Education
and Coach of Football**
B.S., M.A., Appalachian State Teachers College.
- GEORGE BENJAMIN MILES (1961) *Associate Professor of Chemistry*
B.S., Ph.D., University of Tennessee.
- MARCUS B. MOREHEAD (1962) *Assistant Professor of Geology*
B.S., University of Georgia; Ph.D. Candidate, University of North Carolina.
- JOSEPH LONG MURPHY (1964) *Assistant Professor of Education*
A.B., Stetson University; M.A., George Peabody College for Teachers.
- WILLIAM THOMAS NICHOLS (1963) *Assistant Professor of Political Science*
B.A., Ph.D., University of Virginia.
- JAMES WESLEY OUZTS (1963) *Instructor in Speech*
B.S., Delta State College; M.A., University of Mississippi.
- CLYDE CHARLES OWEN (1962) *Associate Professor of Industrial Arts*
B.S., M.S., one year further study, Texas College of Arts and Industries.
- MALCOLM OVERSTREET PARTIN (1962) *Instructor in History*
A.B., University of North Carolina; M.A., Ph.D. Candidate, Duke University.
- BART CARTER PATE (1963) *Assistant Professor of Sociology*
B.A., University of Texas; M.A., Vanderbilt University; S.T.B., Ph.D., Boston
University.
- PAUL BRYAN PATTERSON (1962) *Professor of Mathematics*
B.S., Colgate University; M.A., Ph.D., University of Florida.
- SAMUEL H. PETTIGREW (1964) *Associate Professor of Psychology*
B.A., M.A., University of Toledo; Ph.D., Michigan State University.
- R. DWIGHT PETTUS (1964) *Assistant Professor of Industrial Arts*
A.B., Wofford College; M.S., Bradley University.
- LEROY PIKE (1963) *Assistant Professor of Chemistry*
A.B., Wofford College; M.S., Clemson College; Ph.D., University of Virginia.

* Effective December 1, 1965.

- FRANK W. POWELL (1964) *Part-time Assistant Professor of Education*
B.A., Centre College; M.S., Gallaudet College; further study at Northwestern University and Sacramento State College.
- UBERTO PRICE (1955) *Professor of Education and Director of Reading*
B.S., Eastern Kentucky State College; M.A., Western Kentucky State College.
- JAMES ROY PRINCE (1960) *Professor and Chairman of the Department of Foreign Languages*
B.A., University of South Carolina; M.A., Ph.D., University of North Carolina.
- JOHN ALFRED PRITCHETT, JR. (1956) *Associate Professor of Education and Director of Audiovisual Center*
A.B., M.A., George Peabody College for Teachers
- LEO KLUTTZ PRITCHETT (1947) *Professor of History*
A.B., Davidson College; M.Ed., Duke University.
- MARY EUNICE QUERY (1947) *Associate Professor of Library Science*
A.B., Duke University; A.B. in L.S., University of North Carolina; M.A., Appalachian State Teachers College.
- BEATRIX BLANTON RAMEY (1958) *Assistant Professor of Education*
B.S., Appalachian State Teachers College; M.A., University of North Carolina.
- JOHN FRANK RANDALL (1957) *Professor of Biology*
A.B., University of North Carolina; M.S., University of Michigan; Ph.D., University of South Carolina.
- ROBERT LEE RANDALL (1960) *Assistant Professor of Education and Director of Placement*
B.S., East Tennessee State College; M.A., University of North Carolina; C.A.S., Ph.D., Harvard University.
- ROBERT ELLIS REIMAN (1963) *Assistant Professor of Geography*
B.S., M.S., Ph.D., Florida State University.
- BETSY JEAN REUTTER* (1964) *Instructor in English*
B.A., Rollins College; M.A.T., Duke University.
- LEE FRANCIS REYNOLDS (1946) *Professor of Education*
B.S., M.A., Ball State Teachers College; Ed.D., Indiana University.
- MADGE MOZELLE RHYNE (1947) *Associate Professor of Home Economics*
B.S., M.S., Woman's College of the University of North Carolina.
- DAVID ANDREWS RIGSBY (1961) *Associate Professor of Industrial Arts*
B.S., Western Kentucky State; M.S., University of Kentucky.
- JANE MARGARET RINER (1956) *Assistant Professor of Business Education*
B.S., M.A., Appalachian State Teachers College.
- KENT ROBINSON (1956) *Associate Professor of Biology and General Science*
B.S., M.A., Appalachian State Teachers College; Ph.D. Candidate, Ohio State University.
- THOMAS LEO ROKOSKE (1964) *Instructor in Physics*
B.S., Loyola University; M.S., Florida State University.
- JAMES S. RYAN (1964) *Assistant Professor of Art*
B.F.A., M.F.A., Pennsylvania Academy of the Fine Arts.
- WILLIAM HOYT SAFRIT (1950) *Assistant Professor of Music*
B.S., M.A., Appalachian State Teachers College.
- OLIVER PAUL SANDERS (1962) *Professor and Chairman of the Department of Mathematics*
B.A., Southeastern State College; M.S., Ph.D., Oklahoma State University.
- ORLAN LESTER SAWEY (1962) *Professor of English*
B.A., Texas College of Arts and Industries; M.A., Ph.D., University of Texas.
- JAMES MARLOWE SAWYER (1961) *Assistant Professor of Education*
B.S., M.A., Appalachian State Teachers College.

* Resigned effective March 3, 1965.

- CHARLES EUGENE SCRUGGS (1962) *Instructor in Foreign Languages*
A.B., Transylvania College; M.A., University of Kentucky.
- NOLLIE WILBOURNE SHELTON (1959) *Associate Professor of Education*
B.S., College of William and Mary; M.A., University of North Carolina.
- WOODFORD GRADY SINK (1959) *Professor and Chairman of the Department*
of Chemistry
A.B., Catawba College; Ph.D., University of North Carolina.
- CAROLYN MEREDITH SMITH (1964) *Instructor in Special Education*
B.S., East Carolina College; M.A., Ed.S., George Peabody College for Teachers.
- CATHERINE JEANETTE SMITH (1941) *Associate Professor of Art*
B.S., M.A., Oklahoma University.
- PAUL STANLEY SMITH (1964) *Assistant Professor of English*
A.B., Lenoir Rhyne College; M.A., Ed.S., George Peabody College for Teachers.
- WALTER THOMAS SNIPES (1964) *Assistant Professor of Psychology*
B.S., Oglethorpe University; M.Ed., Mercer University; Ed.D., University of Georgia.
- THOMAS JOHN SPENCE (1964) *Instructor in Art*
B.A., M.A., University of Wyoming.
- WILLIAM GILBERT SPENCER (1951) *Professor and Chairman of the*
Department of Music
B.M.Ed., Northwestern University; M.A., Ed.D., Columbia University.
- STARR NEELY STACY, JR. (1935) *Professor of Mathematics*
B.S., Appalachian State Teachers College; M.A., George Peabody College for Teachers.
- FRANK RICHARD STECKEL (1962) *Associate Professor of Industrial Arts*
B.S., M.S., University of North Dakota.
- BENJAMIN FRANKLIN STRICKLAND (1962) *Assistant Professor of Education*
and Registrar
B.S., Wake Forest College; M.Ed., Ed.D., University of North Carolina.
- VERNON ORAL STUMPF (1964) *Assistant Professor of History*
A.B., A.M., University of Southern California; Ph.D. Candidate, Duke University.
- ORUS RICHARD SUTTON (1956) *Associate Professor and Chairman of the*
Department of Business Education
B.S., Tennessee Polytechnic Institute; M.A., Northwestern University; Ed.D. Candidate, University of Tennessee.
- THOMAS LEE TEDFORD (1963) *Associate Professor and Chairman*
of the Department of Speech
B.A., Ouachita College; M.A., Ph.D., Louisiana State University.
- ROGER EVAN THOMAS (1950) *Professor of Physical Education*
B.S., M.Ed., Springfield College.
- REBECCA MCCOTTER TOMLINSON (1960) *Assistant Professor of Health and*
Physical Education
B.S., Appalachian State Teachers College; M.A., George Peabody College for Teachers; Dir.P.E., Indiana University.
- WILLIAM FIFE TROUTMAN, JR. (1962) *Professor of Political Science*
B.S., Western Carolina College; M.A., Ph.D., Duke University.
- KATHRYN CROFT TULLY (1955) *Associate Professor of Business Education*
A.B., Concord College; M.A., Teachers College, Columbia University.
- INA FAYE WOESTEMEYER VAN NOPPEN (1947) *Professor of History*
B.S., University of Kansas; M.A., Ed.D., Teachers College, Columbia University.
- JOHN JAMES VAN NOPPEN, III (1947) *Professor of English*
A.B., University of North Carolina; M.A., Ed.D., Teachers College, Columbia University.

- TEUNIS VERGEER (1960) *Professor of Biology*
A.B., Calvin College; M.S., Ph.D., University of Michigan.
- THURSTON WALLS (1963) *Visiting Associate Professor of Economics*
B.A., M.A., two years further study, University of Texas.
- MARSHALL LEROY WALTERS (1958) *Professor and Chairman of Department of*
Health and Physical Education
B.S., George Williams College; M.A., New York University; Ed.D. Candidate,
Florida State University.
- MARYO WALTERS (1958) *Part-time Instructor in Foreign Languages*
B.A., Florida State University.
- ROBERT WILLIAM WATKINS (1932) *Professor of Health and Physical Education*
B.S., Maryville College; M.A., George Peabody College for Teachers.
- OMRI KENNETH WEBB, JR. (1962) *Associate Professor of Philosophy and*
Assistant Dean of Student Affairs
B.A., The Citadel; B.D., Southern Baptist Theological Seminary; Ph.D., Duke
University.
- VIVIAN WOOD WELBORN (1944) *Associate Professor of Home Economics*
B.S., Georgia State College for Women; M.S., University of Tennessee.
- GEORGE RANDOLPH WESLEY (1963) *Assistant Professor of Psychology*
B.A., University of Houston; M.A., Ph.D. Candidate, University of Denver.
- ELMER RUSSELL WHITE (1963) *Assistant Professor of Music*
A.B., Marshall University; M.F.A., Ohio University.
- ROGERS VANCE WHITENER (1959) *Assistant Professor of English*
B.S., Appalachian State Teachers College; M.A., University of Florida.
- CRATIS DEARL WILLIAMS (1942) *Professor of English and Director of*
Graduate Studies
A.B., M.A., University of Kentucky; Ph.D., New York University.
- ELDON GRIFFITH WOODCOCK (1963) *Instructor in Religion*
A.B., Swarthmore College; Th.M., Dallas Theological Seminary; Ph.D. Can-
didate, Duke University.
- JULIAN CLIFTON YODER (1933) *Professor and Chairman of Department of*
Social Science
B.S., Appalachian State Teachers College; M.A., George Peabody College for
Teachers; Ph.D., University of North Carolina.

LIBRARY STAFF

- WILLIAM LEONARD EURY (1929) *Professor and Librarian*
A.B., Duke University; B.S. in L.S., M.S. in L.S., George Peabody College for
Teachers.
- RICHARD THOMAS BARKER (1956) *Assistant Professor and Assistant Librarian*
B.S., M.A., Appalachian State Teachers College.
- MILDRED M. GANTT (1965) *Visiting Reference Librarian*
A.B., Howard College; B.S. in L.S., Louisiana State University; M.S. in L.S.,
George Peabody College.
- GAYE WAGONER GOLDS (1964) *Instructor and Assistant Circulation Librarian*
B.S., M.A., Appalachian State Teachers College.
- ALLIE AUSTIN HODGIN* (1934) *Assistant Professor and Reference Librarian*
B.S., Appalachian State Teachers College; B.S., in L.S., George Peabody College
for Teachers.
- MARY ALICE HUFF (1942) *Assistant Professor and Catalogue Librarian*
A.B., Limestone College; B.S. in L.S., George Peabody College for Teachers.
- ELAINE SHAW KIRK (1963) *Music Library*
Appalachian State Teachers College.

* Leave of absence, spring quarter.

- FAYE JULIETTE MITCHELL (1963) *Assistant Professor and Circulation Librarian*
A.B., Winthrop College; M.A. in L.S., George Peabody College for Teachers.
- ZEB VANCE SHOOK (1953) *Assistant Professor and Acquisition Librarian*
B.S., M.A., Appalachian State Teachers College.
- BETTY MCGEE TEEM** (1962) *Instructor and Curriculum Laboratory Librarian*
B.S., M.A., Appalachian State Teachers College.
- VERA COOKE TUNNELL (1943) *Periodicals Librarian*
Appalachian State Teachers College.
- DOROTHY DO-SUN YU (1964) *Instructor and Assistant Catalogue Librarian*
B.A., Chung Hsing University; M.A. in L.S., George Peabody College for Teachers.

Faculty Emeriti

- LUCY BROCK, M.S. in H.E. *Professor Emeritus of Home Economics*
- HELEN BURCH, M.A. *Professor Emeritus of Geography*
- VANCE HOWELL, A.M. *Professor Emeritus of Social Science*
- IDA BELLE LEDBETTER, A.M. *Professor Emeritus of Biology*
- JAMES DANIEL RANKIN, A.M., S.T.D. *President Emeritus*
- GEORGE L. SAWYER, M.A. *Professor Emeritus of Sociology*
- ARLIE R. SMITH, A.M. *Professor Emeritus of Chemistry*
- WILEY FRANCIS SMITH, Ph.D. *Professor Emeritus of Psychology*

Laboratory Schools

High School

- ROY RUSSELL BLANTON, JR. (1949) *Principal*
B.S., M.A., Appalachian State Teachers College; Ed.D., Indiana University.
- JOSEPH NEWTON BANNER (1962) *Vocational Agriculture*
B.S., M.Ed., North Carolina State College.
- WALTER THOMAS BROYHILL (1959) *Science*
B.S., M.A., Appalachian State Teachers College.
- JAMES MACK CAMPBELL (1962) *Physical Education*
B.S., Arkansas Polytechnic College; M.A., George Peabody College for Teachers.
- LAURA FARTHING CHURCH (1961) *Reading Specialist*
B.S., M.A., Appalachian State Teachers College.
- VERLIN OLAF COFFEY (1955) *Foreign Languages*
B.A., M.Ed., University of South Carolina.
- KATHLEEN McDONALD DOUGHERTY (1948) *Home Economics*
B.S., M.S., Auburn University.
- ELIZABETH EVELYN ELLIOTT (1958) *English*
B.S., East Tennessee State College; M.A., George Peabody College for Teachers.
- RICHARD STEVE GABRIEL (1955) *Mathematics*
B.S., M.A., Appalachian State Teachers College.
- MARGARET ENGLISH GRAGG (1941) *English and Director of Guidance*
B.S., M.A., Appalachian State Teachers College.
- JACK WILLIAM GROCE (1955) *Social Studies and Assistant Principal*
B.S., M.A., Appalachian State Teachers College.
- JAMES HOLLAND HARVEY (1961) *Social Studies*
A.B., M.A., Western Kentucky State College.
- BETTY JEAN HUGHES (1960) *English*
B.S., M.A., Appalachian State Teachers College.

** Resigned effective February 1, 1965.

- VERNA LOUISE HURD (1959) *Business Education*
 B.S., East Tennessee State College; M.A., George Peabody College for Teachers.
- ELAINE FALLS JONES (1963) *Science*
 B.A., Furman University; M.A., Appalachian State Teachers College.
- HARLAN EDWARD LEDFORD (1959) *Business Education*
 B.S., M.A., East Tennessee State College.
- KATIE JANE PETERSON (1958) *English*
 A.B., University of Tennessee; M.A., George Peabody College for Teachers.
- ROBERT ALLEN POE (1963) *Mathematics*
 B.S., M.A., Appalachian State Teachers College.
- LERA BRITT RANDALL (1957) *Librarian*
 B.A., Carson-Newman College; M.A., Appalachian State Teachers College.
- WILLIAM CLAYWELL ROSS, JR. (1950) *Social Studies*
 B.S., M.A., Appalachian State Teachers College.
- MARY LILLIAN SCHELL (1955) *Physical Education*
 A.B., Catawba College; M.A., George Peabody College for Teachers.
- JAMES MALCOLM SHUGERT (1963) *Band*
 B.S., Pennsylvania State University; M.M., University of Michigan.
- ROBERT EARL SNEAD (1956) *Science*
 B.S., M.A., Appalachian State Teachers College.
- CYNTHIA LOUISE STILES (1963) *English*
 B.S., M.A., Appalachian State Teachers College.
- JOEL CALAWAY TESTER (1963) *Mathematics*
 B.S., M.A., Appalachian State Teachers College.
- BETTY LOU WELLS (1963) *English*
 B.S., M.A., Appalachian State Teachers College.
- JAMES EUGENE WILSON, JR. (1958) *Social Studies and Music*
 B.S., M.A., Appalachian State Teachers College.

Elementary School

- JOHN TATUM HOWELL (1930) *Principal*
 B.S., Appalachian State Teachers College; M.A., M.Ed., George Peabody College for Teachers.
- ELLA AUSTIN BESHEARS (1935) *Second Grade*
 B.S., Appalachian State Teachers College; M.A., George Peabody College for Teachers.
- LEA BLANTON BROOME (1947) *Third Grade*
 B.S., M.A., Appalachian State Teachers College.
- JERRY BLAINE BROYLES (1962) *Physical Education*
 B.S., East Tennessee State College; M.A., George Peabody College for Teachers.
- GRACE YOUNG BUCKLAND (1948) *Fifth Grade*
 B.S., M.A., Appalachian State Teachers College.
- VELMA MAYES COTTRELL (1948) *First Grade*
 B.S., M.A., Appalachian State Teachers College.
- BESS SCOGGINS CRAWFORD (1946) *Third Grade*
 B.S., M.A., Appalachian State Teachers College.
- ENNIS DAVIS (1945) *Second Grade*
 B.S., Appalachian State Teachers College; M.A., George Peabody College for Teachers.
- ROBERT CARL DAY (1951) *Eighth Grade*
 B.S., M.A., Appalachian State Teachers College.
- WILSON LLOYD DIETRICH (1964) *Seventh Grade*
 B.S., Slippery Rock State Teachers College; M.A., Appalachian State Teachers College.

JOHN ROBERT FOSTER (1961)	<i>Fifth Grade</i>
B.S., M.A., Appalachian State Teachers College.	
CLYDE MAE GOODMAN (1932)	<i>Fourth Grade</i>
B.S., Appalachian State Teachers College; M.A., George Peabody College for Teachers.	
MARY FAULK HAMBY (1947)	<i>Eighth Grade</i>
B.S., Flora Macdonald College; M.A., Appalachian State Teachers College.	
MARY FARABEE HIGH (1959)	<i>First Grade</i>
A.B., Catawba College; M.A., Appalachian State Teachers College.	
LOUISE WINGATE HORTON (1948)	<i>Sixth Grade</i>
B.S., Woman's College of the University of North Carolina; M.A., Appalachian State Teachers College.	
PEGGY JO JONES (1964)	<i>Fourth Grade</i>
B.S., M.A., Southwestern State College.	
RUBY JEAN LANIER (1959)	<i>Fourth Grade</i>
A.B., Lenoir Rhyne College; M.A., Appalachian State Teachers College.	
RUTH SMITH LAXTON (1961)	<i>Second Grade</i>
A.B., Lenoir Rhyne College; M.A., Appalachian State Teachers College.	
JIMMIE NELL OWEN (1962)	<i>Fourth Grade</i>
B.S., M.S., Texas College of Arts and Industries.	
JESSIE DE BERRY PEASE (1955)	<i>Librarian</i>
A.B., Stetson University; M.A., Appalachian State Teachers College.	
EARL LANCASTER PETREY (1949)	<i>Seventh Grade and Assistant Principal</i>
B.S., Union College; M.A., Eastern Kentucky State College.	
PAUL WADE PRICE (1963)	<i>Sixth Grade</i>
B.S., M.A., Western Carolina College.	
CHARLES ELIZABETH PUTNAM (1953)	<i>First Grade</i>
B.S., Appalachian State Teachers College; M.A., George Peabody College for Teachers.	
ROBERT WELLINGTON RAMSEY (1960)	<i>Seventh Grade</i>
B.S., Western Carolina College; M.A., East Tennessee State College.	
ELIZABETH MERCER RANDALL (1960)	<i>Sixth Grade</i>
B.S., East Carolina College; M.A., Appalachian State Teachers College.	
JANE GREENLEE ROBINSON (1955)	<i>Third Grade</i>
B.S., Western Carolina College; M.A., Appalachian State Teachers College.	
LARRY LOWELL SALE (1963)	<i>Fifth Grade</i>
B.S., M.A., Appalachian State Teachers College.	
DORIS GUALT TRIPLETT (1963)	<i>Seventh Grade</i>
B.S., Winthrop College; M.A., Appalachian State Teachers College.	
GAYNELLE BANNER WILSON (1955)	<i>Music</i>
B.S., M.A., Appalachian State Teachers College.	

Fellows, Teaching Fellows, and Graduate Assistants

CHARLES THURMAN BARNHILL, N. C. State of U.N.C.	<i>Mathematics</i>
FRANCIS GLYN BEATTIE, Appalachian State Teachers College	<i>Business Education</i>
ERNEST FREDERICK BENFIELD, Appalachian State Teachers College	<i>Biology</i>
RUTH VICTORIA BONDURANT, Appalachian State Teachers College	<i>Physical Education</i>
JOHN FURMAN BRIDGERS, Duke University	<i>Social Sciences</i>
THOMAS HOWARD BROOKSHIRE, Bowling Green College of Commerce	<i>Business Education</i>
JERRY ZEB BRYSON, Pfeiffer College	<i>Physical Education</i>
FRANK ANTHONY BURNS, Cumberland College	<i>Biology</i>
ARTHUR DEAN BURROUGHS, University of Tampa	<i>Physical Education</i>
ANNE BARE CARAWAY, Appalachian State Teachers College	<i>Mathematics</i>

RUBY BULLARD CARSON, Furman University	English
JAMES OTIS CATRON, JR., Emory and Henry College	Social Sciences
STEPHEN ROSS CAUDILL, Appalachian State Teachers College	Biology
JOHN JOSEPH CAVANAGH, Elon College	Business Education
NORMAN ARTHUR CHAMBERS, Appalachian State Teachers College	Business Education
JANE ANN CHAVIS, Pembroke State College	English
YI FENG CHEN, National Taiwan University	English
WILLIAM CHARLES CHURCH, Appalachian State Teachers College	Physical Education
ROBERT GEORGE CLAYTON, Appalachian State Teachers College	Industrial Arts
JOYCE BURNETT CLITES, Catawba College	English
PHYLLIS ANN COOLEY, Campbellsville College	English
JANET ELIZABETH COX, Furman University	Reading
MILLARD DOUGLAS CRATER, Appalachian State Teachers College	Physical Education
GARLAND MYERS DAGENHART, N. C. State of U.N.C.	Mathematics
KAREN DAUGHERTY, Appalachian State Teachers College	Social Sciences
VIRGINIA VERMELLE DAVIS, Catawba College	Business Education
WILLIAM AARON DOUGLAS, JR., Berea College	Social Sciences
LA FAYE FAGLIE, Appalachian State Teachers College	Education of Deaf
VIVIAN ROSE FERGUSON, Bob Jones University	Elementary Education
PETER IVAN FOGARASSY, N. C. State of U.N.C.	Physical Education
WILLIAM LEE FOWLER, Appalachian State Teachers College	Social Sciences
GLENN ELBERT FOX, Wake Forest College	Mathematics
FLORA BUMGARDNER FRIEND, Appalachian State Teachers College	Guidance
JAMES CARSON GREENE, Appalachian State Teachers College	Chemistry
SEYMOUR GERALD HALL, Elon College	Chemistry
HOPE R. HAMILTON, Southern Illinois University	Business Education
LAURENCE THOMAS HAND, Appalachian State Teachers College	Physical Education
ROBERT ANTHONY HARGIS, East Tennessee State University	Chemistry
DAVID WINSTON HARRIS, Berea College	Business Education
DONNA CAROLINE HAVNAER, Appalachian State Teachers College	English
ROBERT LYNN HENRY, Lenoir Rhyne College	Physical Education
LAURIE KEITH HILL, University of North Carolina	Social Sciences
MITCHELL DAN HOYLE, Appalachian State Teachers College	Biology
JOSEPH WILLIAM ISENHOUR, JR., Appalachian State Teachers College	Physical Education
ETHEL LAUNA JENKINS, University of Florida	Guidance
JANET FAYE JOHNSON, Appalachian State Teachers College	Physical Education
ALBERT GRIER JOHNSTON, Appalachian State Teachers College	Physical Education
KYLE SHUFORD JONES, Lenoir Rhyne College	Guidance
JAMES HOWARD JORDAN, University of South Carolina	Physical Education
RONALD WEST KANOE, Appalachian State Teachers College	Physical Education
MARY ELLIOTT KEEFER, University of North Carolina	English
LINDA JOHNSON KERLEY, Appalachian State Teachers College	Biology
LYNDELL MONROE KERLEY, Appalachian State Teachers College	Mathematics
JOSEPH CLIFFORD LABAR, New Jersey State Teachers College	Audiovisual Education
MARY RHYNE LACKEY, Appalachian State Teachers College	Elementary Education
DONALD W. G. LAWSON, Emory University	Audiovisual Education
GERALD DEAN LEDBETTER, Western Carolina College	Business Education
JERRY DEAN LEHMAN, Howard College	Guidance
JOHN ROBERT LONG, Appalachian State Teachers College	Mathematics
EARL DON LOOS, JR., Union College	Chemistry
JACK BROWN LYTTON, Appalachian State Teachers College	Physical Education

ROBERT SOLLOWAY MAGEE, Pfeiffer College	<i>Social Sciences</i>
JERRY WELLONS MCKENZIE, Appalachian State Teachers College	<i>Chemistry</i>
SHIRLEY ANN MOORE, Appalachian State Teachers College	<i>Biology</i>
TERRY LESTER MORRIS, Maryville College	<i>Chemistry</i>
THOMAS PINKNEY MURRAY, Western Carolina College	<i>Chemistry</i>
DAVID KWOK-WAI NG, Hardin-Simmons University	<i>Mathematics</i>
JACK NORTON, Appalachian State Teachers College	<i>Social Sciences</i>
MARY LYNN NUCKOLS, Middle Tennessee State College	<i>Music</i>
ALFRED BENJAMIN OVERBAY, Appalachian State Teachers College	<i>Chemistry</i>
DORCUS RADEANNA POOLE, Appalachian State Teachers College	<i>Elementary Education</i>
ROBERT MILO PORTERFIELD, Wake Forest College	<i>Mathematics</i>
FRED ALLEN POWELL, Appalachian State Teachers College	<i>Social Sciences</i>
STEVEN FOSTER POWELL, N.C. State of U.N.C.	<i>Mathematics</i>
THOMAS HENRY RATLEDGE, Appalachian State Teachers College	<i>Business Education</i>
ELIZA JANE RAY, Appalachian State Teachers College	<i>Education of Deaf</i>
BARBARA ANNE REEVES, Bennett College	<i>Education of Deaf</i>
JIMMY MICHAEL REEVES, Appalachian State Teachers College	<i>Guidance</i>
JAMES GABRIEL REID, JR., Appalachian State Teachers College	<i>Physical Education</i>
BETTY KAYE MAYES REVES, Appalachian State Teachers College	<i>Biology</i>
JOSEPH HAROLD RHYNE, Lenoir Rhyne College	<i>Physical Education</i>
GEORGE CARR RICHARDSON, N.C. State of U.N.C.	<i>Education</i>
PHILLIP RHEA ROLLINS, Berea College	<i>Mathematics</i>
HARDIN JOSEPH ROYALL, JR., Appalachian State Teachers College	<i>Industrial Arts</i>
HOBART GILBERT ROYALL, JR., Lenoir Rhyne College	<i>Teacher of Deaf</i>
SYLVIA SUE GREENE ROYALL, Appalachian State Teachers College	<i>English</i>
TOMMY SHELBY RUSS, Elon College	<i>Biology</i>
ROBERT NEWELL SIMMONS, Bowling Green College of Commerce	<i>Business Education</i>
HAROLD DEAN SIMPSON, Florence State College	<i>Biology</i>
MICHAEL ROBERT SMITH, Appalachian State Teachers College	<i>Business Education</i>
ROBERT ALAN SMITH, University of South Carolina	<i>Music</i>
JUNE FRANKLIN SOFLEY, Appalachian State Teachers College	<i>Education</i>
JERRY REEVES SPARGER, Wake Forest College	<i>Education</i>
THOMAS KARL STAHL, Jacksonville University	<i>Social Sciences</i>
JANICE FRANKLIN SULLIVAN, Berea College	<i>Elementary Education</i>
RICHARD NESBIT SYKES, JR., Central Wesleyan College	<i>Reading</i>
JON THOMAS TAYLOR, Virginia Polytechnic Institute	<i>English</i>
LARRY GRAY TEAGUE, Lenoir Rhyne College	<i>Mathematics</i>
WADE WESLEY TEAGUE, Lenoir Rhyne College	<i>Business Education</i>
THOMAS RICHARD TICKLE, Appalachian State Teachers College	<i>Business Education</i>
CARL KING TIPTON, Carson-Newman College	<i>English</i>
CORA GRACE TONEY, Appalachian State Teachers College	<i>English</i>
ANDREW JOSEPH VIRGIL, Appalachian State Teachers College	<i>Business Education</i>
RACHEL MARGRACE WALKER, Appalachian State Teachers College	<i>English</i>
NELSON PEARSON WARREN, Bridgewater College	<i>English</i>
RODNEY LAWRENCE WEINBERG, Appalachian State Teachers College	<i>Biology</i>
TERRY RANDALL WEST, Appalachian State Teachers College	<i>Physical Education</i>
CARROLL BAIRD WILLIAMS, Berea College	<i>Social Sciences</i>
MARY MORETZ WILSON, Appalachian State Teachers College	<i>Social Sciences</i>
MAY WAN WOO, Hong Kong Baptist College	<i>Mathematics</i>
DOROTHY TSANG-PAI YANG, Taiwan Normal University	<i>Library Science</i>
GEORGIA MAE AYERS YATES, Appalachian State Teachers College	<i>Reading</i>
LARRY LEE YOUNTS, Guilford College	<i>Physical Education</i>

Residence Counselors

MARY E. HARALSON	<i>Dauph-Blan Hall</i>
MARJORIE KELLY	<i>East Hall</i>
RUTH S. GERMAN	<i>East Hall</i>
EMMA M. TAYLOR	<i>East Hall</i>
ETHEL G. TYSON	<i>Lovill Hall</i>
ARLIE H. THOMPSON	<i>New Dormitory</i>
ADA CRISP	<i>New Dormitory</i>
HONOR DEE WINKLER	<i>White Hall</i>
PLENNIE B. CROUCH	<i>Locust Hall</i>
MARY EDITH BELL	<i>Justice Hall</i>
DEAN BURROUGHS	<i>Newland Hall</i>
IRENE LAIRD	<i>North Hall</i>

Administrative and Secretarial Staff

Supervisors

GRANT AYERS	<i>Electrical Engineer</i>
ROBERT DENTON	<i>Manager of Laundry</i>
HOWARD J. COTTRELL	<i>Manager of Bookstore</i>
CRATER L. MARSH	<i>Superintendent of Buildings and Grounds</i>
RICHARD FLOYD SEAWARD	<i>Plant Engineer</i>
NINA MCGUIRE MARTIN, R.N.	<i>Nurse</i>
MARY STEPHENSON SHOOK, R.N.	<i>Nurse</i>
JOHN W. WELBORN	<i>Manager of Cafeteria</i>

Accountants and Secretaries

NED REEVES TRIVETTE	<i>Business Officer</i>
COLLETT COLUMBUS COFFEY	<i>Accountant</i>
RUTH BARKER REDMOND	<i>Accounting Clerk</i>
MAUDE MOODY CARROLL	<i>Accounting Clerk</i>
JAMES E. KERLEY	<i>Accounting Clerk</i>
ELOISE JAMESON BAGLEY	<i>Accounting Clerk</i>
CLARA B. TEAGUE	<i>Accounting Clerk</i>
MELBA LOVILL TUGMAN	<i>Cashier</i>
EARLEEN GREENE PRITCHETT	<i>Administrative Assistant</i>
MARY C. BUCHANAN	<i>Secretary to the Vice President and Comptroller</i>
ELIZABETH KING TRIPLETT	<i>Secretary to the Dean of Student Affairs</i>
CATHERINE PEELER ROSS	<i>Secretary to the Registrar</i>
BETTY J. WEBB	<i>Secretary to the Dean of Academic Affairs</i>
JUDY CASTLE	<i>Secretary to the Director of Graduate Studies</i>
PATSY MASON MAPLES	<i>Secretary in Graduate Office</i>
JANE BREDOW	<i>Secretary in Graduate Office</i>
BRENDA MCKENZIE	<i>Secretary to Director of Public Affairs</i>
POLLY WOODRING	<i>Secretary in Business Office</i>
ROSEANNE C. BURROUGHS	<i>Secretary in Business Office</i>
SUSAN RUSS	<i>Secretary to the Dean of Men and Dean of Women</i>
DIANNE SLEMP GREENE	<i>Secretary to Director of Admissions</i>
CAROLYN C. TAYLOR	<i>Secretary in President's Office</i>
ANN HARDISON	<i>Alumni Office</i>
CAROLYN GREENE AUSTEN	<i>Appalachian Elementary School</i>
GLADYS EASON SHELTON	<i>Appalachian High School</i>
PHYLLIS REINHARDT	<i>Athletic Office</i>

NANCY C. REID	<i>Business Education and Foreign Languages</i>
BENNIE ROBINSON	<i>Computer Center</i>
JEANETTE LANNING	<i>Computer Center</i>
JOHNNY COLE	<i>Computer Center</i>
REBECCA YOUNCE	<i>Computer Center</i>
SHARON BABER	<i>Computer Center</i>
JACKIE SUE BYNUM	<i>Cafeteria</i>
MARY LEE JOHNSON	<i>Secretary in Dean of Student Affairs' Office</i>
PATRICIA B. HODGES	<i>Secretary in Dean of Student Affairs' Office</i>
MABEL JEAN D. MINTON	<i>Education (A-V)</i>
HELEN B. WISEMAN	<i>Education (Personnel)</i>
MARY ALICE HAENSELMAN	<i>Education (Placement)</i>
JUNE W. NORRIS	<i>Education (Reading)</i>
LENNIS B. WILSON	<i>Education (Student Teaching)</i>
JANE EMILY MCARVER	<i>Education</i>
MARY E. NORRIS	<i>English</i>
HELEN S. MINOR	<i>Music</i>
CAROLE ROBINSON	<i>Art and Social Studies</i>
GALE REEVES	<i>Health and Physical Education</i>
BETTY GREENE	<i>Home Economics and Industrial Arts</i>
PATRICIA ANNE LESLEY	<i>Library</i>
SANDRA THOMAS	<i>Library</i>
LANIE P. LOOS	<i>Mathematics and Speech</i>
DONNA STOLL SINK	<i>Printing Office</i>
WILLIAM R. VARNER	<i>Printing Office</i>
FRANCES R. RICKETT	<i>Records Room</i>
FRANCES BLALOCK	<i>Records Room</i>
MARY RUTH BUMGARNER	<i>Records Room</i>
GLENDA WALTERS	<i>Registrar's Office</i>
ALMA RUTH EARP	<i>Science</i>
JANICE L. GREENE	<i>Social Studies</i>
KAY HAILEY	<i>Switchboard Operator</i>
FRANCES JACKSON	<i>Switchboard Operator</i>

THE COLLEGE

Location

Appalachian State Teachers College is located at Boone, county seat of Watauga County, North Carolina, on the crest of the Blue Ridge Mountains at an elevation of 3,333 feet above sea level.

Situated at the foothills of the Grandfather Mountain and only eight miles from the famous Blowing Rock and five miles off the Blue Ridge Parkway, which connects the Shenandoah and the Smoky Mountain National Parks, Boone is easily accessible over United States Highways 221, 321, 421, which intersect in and lead out from the town.

History

Appalachian State Teachers College had its beginning in the summer of 1899. Under the leadership of D. D. Dougherty and B. B. Dougherty, a group of Watauga County citizens began a movement to establish a school at Boone. Land was donated by D. B. Dougherty, father of the leaders in the enterprise, and by J. F. Hardin, a prominent citizen of the town. A frame building was erected by contributions from citizens of Boone and Watauga County. A list of these contributors is preserved in the library.

In the fall of 1899, D. D. Dougherty and B. B. Dougherty, acting as co-principals, with Mrs. D. D. Dougherty as teacher of primary work, began the elementary school in an old two-room building. At Christmas the school was moved into a new building to be known as Watauga Academy. There were fifty-five students in the school district, none of whom was above the third grade.

The co-principalship continued until 1903. D. D. Dougherty administered the school and taught, while B. B. Dougherty served as Superintendent of Education for Watauga County and taught in the spring after the public schools had closed and in the summer session.

A summer session was regularly maintained with many teachers from Watauga and adjoining counties attending.

Charter of Appalachian State Teachers College

B. B. Dougherty, co-founder of the school, relates how the school became a state institution:

"In 1903 Captain E. F. Lovill and B. B. Dougherty, with W. R. Lovill as typist, one Sunday in the home of Captain Lovill of Boone wrote a bill to establish a state institution in northwestern North Carolina. There were no resolutions by teachers' assemblies or requests from any source to write this bill.

"In the same year the Honorable W. C. Newland of Caldwell County introduced the bill in the House of the General Assembly of North Carolina. After a hard fight before the Committee on Education, the measure was reported favorably to the House. Here the Honorable R. A. Doughton of Alleghany County joined Mr. Newland in his arguments for the bill. It was passed by a good majority. However, in the Senate the measure was turned down by the Committee on Education, but Senators Clyde R. Hoey of Cleveland County, R. B. White of Franklin County, and E. J. Justice of McDowell County, all young men who distinguished themselves later as statesmen, signed a minority report and carried the bill to the Senate floor, where on the last day each made a speech in behalf of the bill. The bill passed by only one vote. A new state institution was thus established."

Following are the two establishing sections of the bill:

"The General Assembly of North Carolina Do Enact:

"Section 1. That W. C. Fields and A. S. Carson of the County of Alleghany, J. D. Thomas and T. C. Bowie of the County of Ashe, Adolphus Taylor and W. P. Horton of the County of Wilkes, F. P. Moore and J. M. Barnhardt of the County of Caldwell, Moses H. Cone and E. F. Lovill of the County of Watauga, J. R. Pritchard and T. A. Love of the County of Mitchell, and J. B. Ray and E. F. Watson of the County of Yancey are hereby created a body politic and corporate under the name of The Appalachian Training School for Teachers, and as such may sue and be sued, implead and be impleaded in all the courts of the State, may purchase and hold real estate, receive donations, and do all things useful and necessary to carry out the true intent and meaning of this act.

"Section 2. That the said board of trustees shall meet in the town of Blowing Rock, in the County of Watauga, in the month of May, after the passage of this act, at the call of the Superintendent of Public Instruction of North Carolina, and shall organize by electing a president, a secretary, and a treasurer, and shall meet annually thereafter at a time and place to be fixed by said board."

Development

In accordance with the provision of the Charter, Dr. J. Y. Joyner, State Superintendent of Public Instruction, in 1903, called a meeting of the Board of Trustees. Captain E. F. Lovill was elected President of the Board, which position he held with great credit until his death in 1925. F. P. Moore, J. M. Barnhardt, and Moses H. Cone were named as the Executive Committee.

Citizens from Jefferson, Globe, Blowing Rock, Montezuma, Valle Crucis, and Boone offered inducements to have the school located in their respective community. The people from Boone offered the Watauga Academy, equipment, and grounds. The trustees voted to locate the school at Boone.

The appropriations for buildings were made for the first six years on condition that a like amount should first be contributed by private citizens. B. B. Dougherty, who was elected financial agent, immediately began a campaign for donations. Practically everyone in the Boone vicinity helped. The financial agent was so pleased with the desire of the Watauga people for something better than they had known that he visited the adjoining counties. Everywhere he received many donations. Moses H. Cone of Greensboro and Blowing Rock and Honorabel R. Z. Linney of Taylorsville gave \$500 each.

In June, 1903, the trustees of the new school met in Boone and elected B. B. Dougherty, Superintendent; D. D. Dougherty, Principal; and W. C. Coffey, Treasurer. For twenty-two years there followed a period of steady growth, academic development, and valuable service to the State.

In 1925 the Legislature changed the name to Appalachian State Normal School and increased the appropriations for both maintenance and permanent improvements. In this year Superintendent B. B. Dougherty was elected President, and Principal D. D. Dougherty was elected Business Manager and Treasurer. In 1929 the Legislature revised the charter and changed the name to Appalachian State Teachers College, increased the appropriation for maintenance, and authorized the trustees to "confer or cause to be conferred such degrees as are usually conferred by similar institutions in America." B. B. Dougherty was continued as President and D. D. Dougherty as Business Manager and Treasurer. D. D. Dougherty was not permitted long to enjoy the larger institution, for he died June 10, 1929, the very day of the registration for the new college. His work was taken up by Mrs. D. D. Dougherty and is now in the hands of their son, David Barnard Dougherty.

Dr. B. B. Dougherty resigned as President at the end of the school year in 1955 and died May 27, 1957. Dr. J. D. Rankin, Dean of the College, was elected by the Board of Trustees to serve as President until a new President could be chosen. At the same time Daniel Jay Whitener was appointed Dean of the College, and David Barnard Dougherty was appointed Vice-President and Comptroller of the College. Dr. William H. Plemmons was elected as President by the Board of Trustees and began his service at the beginning of the fall quarter in 1955. He was officially inaugurated as President on April 24, 1956.

Accreditation

Appalachian is a member of the Southern Association of Colleges and Secondary Schools, American Council on Education, American Association of Colleges for Teacher Education, National Council for Accreditation of Teacher Education, American Association of University Women, North Carolina College Conference, National Association of Schools of Music, and the National Association of Business Teacher Education.

Purpose and Philosophy

Appalachian provides an opportunity for students to acquire a liberal education, to develop those qualities of mind and character that make for excellence of human endeavor, and to prepare for teaching, school administration, and other professional careers and public services.

The administration and faculty are engaged in a continuous curriculum study to develop and maintain a program of education that will qualify prospective teachers for the most effective service in the schools of North Carolina. The curriculum is designed to give each student a broad background in general education; a depth of understanding in one or more fields of special interest; a thorough understanding of professional education to include specialized methods, techniques, and principles useful in the teaching profession; and a pattern of wholesome cooperative democratic living. Through study and experience in these areas students can develop a sound philosophy of life and of education.

CAMPUS AND BUILDINGS

The Appalachian campus covers sixty acres of the Blue Ridge Mountains and has the highest elevation of any four-year college east of the Mississippi.

Classrooms and Laboratories

THE ADMINISTRATION BUILDING, erected in 1923, houses the auditorium, administrative offices, language laboratory, and classrooms and faculty offices for the Departments of English, Foreign Languages, and Social Science.

JAMES DANIEL RANKIN SCIENCE BUILDING, constructed in 1963, provides classrooms, laboratories, offices for the Biology and Geology, Chemistry, and Physics Departments.

OLD SCIENCE BUILDING, erected in 1940, houses classrooms, laboratories, and faculty offices for the Department of Business Education, Mathematics, and Speech.

EDUCATION BUILDING, erected in 1925, formerly the elementary school, houses the classrooms and faculty offices of the Department of Education and Psychology and also provides space for the reading laboratory and the audiovisual equipment and materials.

FINE ARTS BUILDING, erected in 1951, provides modern facilities for the Departments of Art and Music including auditorium, classrooms, studios, offices, rehearsal rooms for music ensembles, and practice rooms.

DAUPHIN DISCO DOUGHERTY LIBRARY, erected in 1935 and renovated in 1955 and 1960, contains more than 100,000 volumes, and houses the Curriculum Library, a Juvenile Library, and the Department of Library Science.

HEALTH AND PHYSICAL EDUCATION BUILDING, constructed in 1955, provides for the program of health, physical education, and recreation. It contains a large gymnasium, stage, modern swimming pool, classrooms, offices, audiovisual rooms, adequate shower and locker rooms for men, and overnight accommodations for visiting groups.

MEN'S OLD GYM, constructed in 1934, is used as auxiliary space for the physical education and recreation programs.

HOME MANAGEMENT HOUSE, built in 1965, contains four apartment units to provide residence experience for majors in home economics.

NURSERY SCHOOL, constructed in 1965, consists of play, observation, and kitchen areas to accommodate twenty three and four year old children and is used as a laboratory for courses in child development.

HOME ECONOMICS BUILDING, built in 1962, provides classrooms, laboratories, and offices for the Department of Home Economics.

INDUSTRIAL ARTS BUILDING, constructed in 1961, provides classrooms, laboratories, and offices for the Department of Industrial Arts.

APPALACHIAN HIGH SCHOOL, erected in 1938, and **APPALACHIAN ELEMENTARY SCHOOL**, erected in 1954, serve as laboratory schools for student observation and teaching.

Residence Halls and Houses

DAUPH-BLAN HALL, a compound of the first names of the Dougherty co-founders and named in their honor, was built in 1929 and renovated in 1960. It provides housing accommodations for 144 women.

EAST HALL, erected in 1952 and added to in 1958, houses 376 women.

LOVILL HALL, erected in 1915 and named in honor of Captain E. F. Lovill, first President of the Board of Trustees, accommodates 130 women.

NORTH HALL, erected in 1940, accommodates 125 women.

WHITE HALL, erected in 1924 and named in honor of R. B. White of Franklin County, who was active in gaining the approval of the Charter of the College by the General Assembly of North Carolina in 1903, accommodates 128 women.

JUSTICE HALL, erected in 1952 and named in honor of E. J. Justice of McDowell County, who was active in gaining the approval of the Charter of the College by the General Assembly of North Carolina in 1903 accommodates 322 men.

NEWLAND HALL, built in 1939 and named in honor of the Honorable W. C. Newland of Caldwell County, who introduced the bill in the General Assembly of North Carolina to establish the college, accommodates 132 men.

NEW DORMITORY, erected in 1963, is a seven story modern residence hall accommodating 300 women.

FACULTY APARTMENTS, built in 1953, provides thirty-three efficiency apartments available to faculty members.

THE PRESIDENT'S HOUSE, constructed in 1957, is located on a knoll overlooking the campus.

FACULTY HOUSES, built in 1939-1940 and renovated in 1960, provide housing for thirteen faculty families.

EMPLOYEE HOUSES, located near the campus, are occupied by employees of the college.

Auxiliary Buildings

THE CAFETERIA, erected in 1925, renovated in 1958, and enlarged in 1965, is well equipped to provide efficient food services for students.

THE COLLEGE BOOKSTORE, erected in 1935 and renovated in 1955 and 1961, provides fountain services and handles books and supplies.

WILLIAM J. CONRAD STADIUM was completed in 1962.

LAUNDRY AND SERVICE BUILDING, built in 1949, houses a modern laundry and dry cleaning plant, the offices and shops of the superintendent for buildings and grounds and of the maintenance engineer, a warehouse, and the college garage.

POWER PLANT, built in 1924, provides power, heat, and light for the college. The hydro-electric plant is located on New River between Boone and Blowing Rock. The steam plant is located on the campus.

TWO COLLEGE FARMS with more than two hundred acres each.

STUDENT LIFE

The college is aware of the problems and needs of students as they adjust to the college community and become a part of it. To create an environment conducive to happiness and good work and to provide opportunities for the maximum development of each student, the college supports a variety of activities and services to supplement the academic program.

Student Government

With the approval of the college, the student body is organized under the Government Association with a constitution that provides a large measure of self-government. The constitution provides for a Student Council, which consists of the Assembly, the Judiciary, and the Executive, with each assigned specific powers and duties. Also, the Women's Dormitory Council and the Men's Dormitory Council as part of the Association provide for representative government in regulating student life in the residence halls. A School Council with representatives from the faculty and students serves as a policy making and appeal board. Student government offers an ideal laboratory to provide students experience and training in democratic living.

Standard of Honor

The foundation of self-government at Appalachian rests on the honor of its students. To lie, cheat, steal, or break one's word of honor under any circumstance is recognized as intolerable conduct.

The college reserves the right to require any student whose conduct is considered unsatisfactory by the authorities of the college to withdraw.

Guidance and Counseling

The college provides comprehensive and active guidance and counseling services for all students and for freshmen in particular. Before a freshman arrives on the campus, he is assigned to a faculty adviser who serves as a member of the Freshman Advisory Council. On the campus the faculty adviser meets his advisees, guides them through orientation, and assists in planning their registration. Once a week during the fall quarter the adviser meets with half of his advisees on a definite schedule on one day, and half on another day. In addition to these scheduled group meetings, the adviser counsels his advisees individually. The informal counseling is continued during the winter and spring quarters. The advisers are primarily concerned with helping the student adjust to the college environment and assess his scholastic problems wisely. For this service the faculty adviser is given three quarter hours credit on his teaching schedule. Thus the college uses the equivalent of more than four full-time teachers in the freshman counseling program.

Under the supervision of the Dean of Men and Dean of Women an active counseling program is carried out in each dormitory. Graduate students who are majoring in guidance and well qualified undergraduates are chosen to assist dormitory students. Weekly reports are filed of these activities. At the opening of the college, transfer students are given a thorough orientation.

In the spring quarter freshmen are directed to their major departments for academic counseling. The chairman or a member of the department designated by him plans and approves the academic program of the student until graduation.

The counseling services of Appalachian are administered by the office of Student Personnel Services. Headed by a director, this office is in charge of freshman testing and placement, individual counseling on a referral basis, student appraisal, and research.

Health Services

Appalachian recognizes good health as one of the most important factors in successful living. The person who is unable to stand the strains of competitive activity is poorly prepared for life.

Each student who applies for admission to the college must provide evidence of good health on a form provided by the college and completed by a physician. A student will not be admitted until his health record is submitted and approved.

As a part of the health services of the college, personal health instruction is required of all students, the services of a nurse are available on campus, and a close relationship with the Watauga Hospital is maintained. Students are requested to report promptly all illnesses, however slight, to the college nurse so that they may receive immediate care and at the same time protect the health of others.

The Watauga Hospital, which adjoins the campus, serves as the college infirmary. A student who becomes ill will be admitted to the hospital by direction of the physician of his choice. The health fee paid by the student provides for a hospital room and meals for a period not to exceed seven days a quarter of the regular session, general nursing care, and the cost of the operating room for an emergency operation. The college health services are not available during vacation periods stated in the college calendar.

Since the above service covers illness only, the college provides for the protection of students an inexpensive accident insurance policy on a voluntary basis. This policy provides coverage for nine months whether a student is at the college or elsewhere. All students are urged to purchase this insurance, premiums for which are paid directly to a representative of the insurance company. Specific details of the insurance plan are sent to all students in August.

Religious Life

The college feels a deep responsibility to foster high ethical standards and to promote spiritual growth among students. To this end the college supports a varied program of religious activities. On the campus are active organizations of the Young Women's Christian Association, and an inter-denominational Religious Council, which coordinates the religious activities on the campus.

Eight churches in Boone—Advent Christian, Baptist, Church of Christ, Episcopal, Lutheran, Methodist, Presbyterian, Roman Catholic—cooperate with the college in many activities. Through campus organizations, local churches and church affiliated groups, such as the Baptist Student Union, Canterbury Club, Lutheran Student Association, Wesley Foundation, Westminster Fellowship, students have large opportunities for worship, fellowship, study groups, and campus and community service.

Housing

The college has nine residence halls housing approximately eighteen hundred students. Each room is equipped with the basic furniture, but the student is expected to supply linens, blankets, rugs, pillow, curtains, and other personal furnishings according to individual tastes. Each student is expected to observe dormitory regulations and take care of the furnishings of the room. Students may

not have in the room any cooking appliances, refrigeration, or any other electrical appliances except lamps, radio, record player, sewing machine, hair drier, razor; nor may they place any attachments to the walls, plumbing, or electric wiring. The college reserves the right to inspect the residence halls regularly.

The residence halls are closed during vacation periods indicated in the college calendar, and no occupancy of rooms will be permitted during this time. If a student finds it necessary to remain in Boone during vacation period, the Deans of Men and Women will assist in securing a room.

Because of limited dormitory space, some students may find it necessary to secure rooms in town. A list of available houses in town may be obtained from the offices of the Dean of Men or Dean of Women. Men and women who plan to room off campus and who are not living at home or with close relatives must receive permission from the Dean of Men or the Dean of Women to room in town. All students enrolled in the college, whether living on campus or off campus, are subject to the rules of good citizenship and exemplary conduct as administered and supervised by the college administration and the Student Council.

Reading Center

The college maintains a reading center for students who need and are interested in diagnostic and remedial help in reading. The developmental reading program, required of all freshmen for one quarter, endeavors to prepare students for greater academic achievement through the development of satisfactory reading skills. The center also serves as a laboratory for college students where they can observe and get experience in working with students who need help in reading.

Placement Service

The Office of Placement assists members of the graduating class and former students in finding the most desirable teaching and administrative opportunities in schools and colleges. The office locates vacancies, arranges interviews, refers candidates to specific openings, and maintains a placement file on each graduate for future reference and promotion. The office also sponsors a series of panel discussions each year at which time leading teachers and school administrators are invited to come to the campus to discuss the requirements, problems, and rewards of teaching as a vocation.

Athletics and Intramural Sports

Amateur athletics are encouraged as an outgrowth of the physical education program of the college. Athletic teams are not developed solely to win games, but to create and develop a greater interest in true sportsmanship and clean competition.

Appalachian, a member of the Carolinas Intercollegiate Athletic Conference, maintains athletic teams that compete in the following intercollegiate sports: baseball, basketball, football, golf, soccer, swimming, tennis, track, and wrestling. A Faculty Committee on Athletics regulates the intercollegiate athletic program.

The college maintains an extensive program of intramural sports. All students are encouraged to participate in the program to benefit from physical exercise and to develop good sportsmanship, self-reliance, and to gain experience in group participation and competition. Schedules of games are arranged from season to season in many sports, such as archery, badminton, basketball, horseshoes, shuffleboard, soccer, softball, speedball, swimming, tag football, tennis, volleyball. The

Department of Health and Physical Education provides equipment and other facilities and assists in coordinating team schedules.

Social Life

The recreational program is directed by a Director of Recreation. The social calendar for the year, aside from intercollegiate and intramural programs in sports and recreation, includes formal and informal dances, parties, receptions, dinners, teas, lectures, concerts by musical organizations, dramatics, fashion shows, Arts Festival, interclass parties.

Concerts and Lectures

A series of programs including concerts, plays, lectures, recitals is scheduled throughout the year to extend cultural opportunities to the students and college community. Each quarter at the College Convocation distinguished speakers are presented.

Frequent recitals are given by the students and faculty of the music department and by the various musical organizations.

The John Hiliary Workman Memorial Lectures, established in 1960, by Dr. John Hiliary Workman and his sister, Miss Sarah Workman of Cherryville, North Carolina, brings a nationally known speaker in the field of economics to the campus each year for lectures.

Dramatics and Forensics

Ordinarily three theater productions are presented each school year at the college. Student actors, directors, designers, technicians, and writers participate in theater work through The College Theater, a service organization which forms each quarter to produce a play. For students who wish to join a continuing organization which offers both social and service programs, membership in The Playcrafters is possible.

A full program of forensics provides opportunities for students to develop their ability in public speaking and debate. A faculty director of forensics assists in the program by arranging debating schedules and selecting and preparing speakers for individual debates and forensic tournaments.

Musical Activities

The Department of Music provides many organizations and activities in which students may gain valuable instruction, experience, and recreation.

THE MARCHING BAND, an all-college organization, functions in close cooperation with the athletic association during the football and basketball seasons.

THE CONCERT BAND, an all-college organization, gives several local and off-campus concerts during the year, including a tour of North Carolina and neighboring states.

THE COLLEGE SYMPHONY ORCHESTRA, open to all students who have ability and experience in playing any orchestral instrument, appears in several concerts during the year.

THE COLLEGE CHOIR, an all-college organization and the oldest musical organization on the campus, appears in concerts throughout the year. It has appeared with the North Carolina Symphony Orchestra, the Federated Music Clubs, and the Mutual Network in broadcasts of Handel's *Messiah*.

THE WOMEN'S GLEE CLUB is open to all women students who desire to sing. THE MALE CHORUS is open to all male students who are interested in singing. THE APPALACHIAN CHORALE is composed of sixteen selected voices, eight women and eight men.

THE APPATONES is a dance band which provides music for the college dances and those of neighboring schools.

Student Publications

The Appalachian, the college newspaper, is published weekly by the students. *The Rhododendron*, the college annual, is compiled during the college year and is distributed to the students in the spring quarter. Also a student staff prepares and edits the *Student Handbook*, which contains information on student life and organizations. Qualified students are elected by students to the editorial and business staffs of the publications, which offer opportunities for students to develop their literary and journalistic interests and ability.

Clubs and Professional Societies

The college supports a diversified program of club activities. National societies include Alpha Chi (scholarship), Alpha Psi Omega (dramatics), Beta Beta Beta (biology), International Relations Club, Phi Beta Lambda (business men), Pi Delta Phi (French), Pi Gamma Mu (social studies), Pi Kappa Delta (forensics), Pi Omega Pi (business education).

Local clubs include Art Guild, Appalachian Jazz Society, Association of Childhood Education, Highland Biologists, *Cercle Francais*, Chemistry Society, Chi Lambda Chi (composed of the presidents of all campus clubs and organizations), Collegiate Civic, Flying Fish, Home Economics, Industrial Arts, Library Science, *Los Conversadores de espanol*, Mathematics, Men's A, Modern Dance, Music Education, Playcrafters, Religious Council, Student Residence Association, Vernician Society, Woman's A, Women's Athletic Association, Yosef Club, Young Democratic, Young Republican.

Student Officers and College Representation

Members of the student council, class and club officers, nominees for class or campus honors, athletic managers, members of the publications staffs, participants in public programs, cheerleaders, debaters, and any persons other than athletic teams representing the college off campus, must be selected from those students who have at the time of their election and who maintain through their terms of office a grade point average of 2.00 or higher and freedom from academic, specific, or general probation.

Motor Vehicles

The college has tried to provide adequate parking facilities for students who find it necessary to use cars for transportation to classes. Since the space available for parking is limited, students who live on the campus are required to leave their cars at home or to park them in the parking areas around the residence halls. Students are not permitted to park their cars in areas marked "staff" or in other restricted areas.

Freshmen, except those who commute from out of town or whose physical condition is such as to warrant otherwise, are not permitted to bring a motor

vehicle to the college. A student who owns or operates a motor vehicle on the campus must register it with the traffic department of the college and receive and display a registration sticker, which is valid for the time the student is enrolled in the college.

Alumni Association

All graduates, former students who have received any academic credits, and personnel officially associated with the college are members of the Alumni Association. Its purpose is to provide fellowship for the alumni and to advance the mutual interests of the college and alumni. There are no membership dues; however, many alumni express their active interest in the college by contributing voluntarily to "Heartline," which stimulates the growth of every school activity, and by returning to the campus on homecoming weekend each fall.

Active alumni chapters are organized in the following counties: Alamance, Alexander, Alleghany, Anson, Ashe, Avery, Burke, Cabarrus, Caldwell, Caswell-Rockingham-Stokes, Catawba, Cleveland, Davidson, Davie, Forsyth, Gaston, Guilford, Iredell, Lincoln, McDowell, Mecklenburg, Montgomery, Moore, Polk-Henderson-Transylvania, Randolph, Richmond, Rowan, Rutherford, Southern District, Stanly, Surry, Union, Wake, Watauga, Wilkes, Western District, Yadkin; Florida, Danville, Virginia; and Tidewater, Virginia.

Officers of the Association are:

Dr. Hugh Daniel, Waynesville, N. C.	President
F. P. Bodenheimer, Jr., Greensboro, N. C.	President-Elect
M. J. Angell, Statesville, N. C.	Vice-President
Ann Carroll Blackburn, Boone, N. C.	Secretary-Treasurer
John Corey, Boone, N. C.	Executive Secretary and Heartline Director

ADMISSIONS

All correspondence concerning admission to the college should be addressed to the Director of Admissions, Appalachian State Teachers College, Boone, N. C. Students may be admitted at the beginning of the fall, winter, spring, or summer quarter. For any quarter early application is advisable, and for the fall quarter applications must be initiated by August 1. The college admits applicants whose preparation, ability, interest, character, and general fitness indicate that they can do successful college work. Taken into consideration are the quality of the applicant's academic record, test scores on the Scholastic Aptitude Test of the College Entrance Examination Board, recommendations, health record, and previous courses completed.

Requirements for Admission

1. First year freshmen.

Beginning freshmen are admitted by certificate or high school graduation. Graduates of accredited high schools must rank in the upper half of their graduating classes, and present at least two units of algebra or one unit of algebra and one unit of geometry.

Beginning freshmen who reside out of the state must rank in the upper half of their graduating classes and otherwise must meet the same requirements as North Carolina students.

Every applicant for admission to the freshman class is required to take the Scholastic Aptitude Test of the College Entrance Examination Board. The test is given in December, January, March, May, and July. It is recommended that the Scholastic Aptitude Test be taken early in the senior year.

Students wishing to make application to take the tests should procure application forms from their secondary schools, or write directly to the College Entrance Examination Board, Box 592, Princeton, New Jersey, or Box 1025, Berkeley 1, California, for the *Bulletin of Information*, which includes an application form and is available without charge. The bulletin lists test centers and gives complete information concerning the tests.

Because of deadlines for filing application to take the College Board tests, the student must make his arrangements well in advance of the testing date so that his application may be received in Princeton or Berkeley by the closing date.

2. Transfer Students.

Students who transfer from other colleges or universities must furnish official transcript of records from institutions previously attended. These transcripts must show eligibility to return to the latest institution attended and an average grade of at least "C" on all work attempted. Courses satisfactorily completed in other accredited colleges are evaluated in terms of the curriculum selected at Appalachian.

Any transfer student who has completed two full years of college will be required to meet the same screening standards as required of regular sophomores of the college.

3. Special Students.

Applicants who are mature and who may not meet admission requirements but who have had a satisfactory record of experience and education may be admitted to courses which they may be able to pursue with profit. Special students who desire to become candidates for degrees must satisfy entrance requirements.

4. Graduate Students.

For admission and graduation requirements, see *Graduate Studies*.

5. Auditors. Students enrolled at the college or students with satisfactory records of experience and education may be admitted to specific courses as

auditors with the consent of the Deant of Student Affairs and the instructor concerned. Students who audit courses must register in the Registrar's office, must be regular in attendance, but will not receive grades or credit.

Admission Procedure

Students who wish to be considered for admission to the college as freshmen will obtain from the office of the Director of Admissions an application package, consisting of an application form, medical examination report form, high school principal's transcript and recommendation form, and instructions for completing and submitting these forms.

All application forms are to be accompanied by an application fee of five dollars that is not refundable.

Applicants should request the Educational Testing Service to send results of the Scholastic Aptitude Test to the Director of Admissions.

Students who desire to transfer to Appalachian from other colleges will obtain from the office of the Director of Admissions an application package consisting of an application form, medical examination report form, dean of men or dean of women recommendation form, and instructions for completing and submitting these forms.

After all papers have been filed and evaluated, a statement of eligibility for admission or a statement of shortages to be removed before admission can be approved will be sent to the applicant.

Instructions for reserving dormitory space will be included in the letter of approval sent to each qualified applicant.

A personal interview with an authorized representative of the college and a visit to the campus are advisable and beneficial to the student and the college.

Prior to the date of registration, information such as room assignment, opening date, orientation program, *Student Handbook*, and name of faculty adviser will be sent to students.

Graduates of junior colleges must complete at least 90 quarter hours with at least a 2.00 quality point ratio at Appalachian.

Advanced Placement Program

The College participates in the Advanced Placement Program of the College Entrance Examination Board. Freshmen who have performed satisfactorily in college-level secondary school courses and who have demonstrated their achievement on tests of the Advanced Placement Program may have the results submitted to the college for consideration for placement in advanced courses and for college credit. Such students are thereby enabled to enrich their college education. The amount and nature of the credit granted are determined by the Committee on Advanced Placement and Honors Program and the pertinent department of instruction.

Readmission

Students who have withdrawn in good standing from the college or who have been suspended for academic deficiencies or for other reasons should submit their requests for readmission to the Dean of Student Affairs. Consideration of requests for readmission of students who have been suspended for any reason will be made in the light of the applicant's ability, evidence of growth and maturity, good citizenship record, credits earned at another institution, and time elapsed since leaving Appalachian. As a policy, students who are twice suspended for academic deficiencies will not be eligible for readmission.

EXPENSES

Fees are charged by the quarter and are due and payable in advance at the beginning of each quarter. Any special arrangement for the payment of expenses must be made one week in advance of the opening of the quarter with the office of the Director of Business Affairs.

Regular Expenses per Quarter of the Undergraduate Student

	RESIDENTS OF NORTH CAROLINA	NON-RESIDENTS OF NORTH CAROLINA
Registration	10.00	10.00
Tuition	50.00	135.00
Room (standard)	52.00	52.00
Room (with private bath)	61.00	61.00
Cafeteria Meals (minimum)	75.00	75.00
*Student Welfare and Activities	20.75	20.75
Rental of Textbooks	10.30	10.30
Laundry and Dry Cleaning (minimum)		
Men	12.00	12.00
Women	9.00	9.00
Student Center	16.00	16.00
Health and Physical Ed. Facilities	3.25	3.25

* All students are encouraged to participate in optional immunization programs. A fee of \$1.00 is charged.

For expenses of the graduate students, see page 61.

The application for admission must be accompanied by an application fee of five dollars, which is not refundable.

The room reservation fee of \$20.00 is deductible from the room rent charge at the opening of the first quarter in residence.

All students living in the college dormitories are required to purchase the minimum number of meal tickets at the time of registration.

The college reserves the right to change the charges for living expenses any time that it becomes necessary.

Day Students

Regular day students pay all regular expenses except room rent, cafeteria meals, laundry and dry cleaning.

Part-time Students

One through three hours, \$30.00; four through six hours \$43.00; more than six hours, full charges.

Out-of-State Students

The residence of a student is presumed to be the same as that of his parents. Ownership of property or payment of taxes in North Carolina does not qualify a person as a resident. All students, except residents of North Carolina, must pay out-of-state tuition. Students are expected to state correctly their home addresses on both application for admission and registration blanks. Students who are in doubt as to their out-of-state residence should determine their status in consultation with the Registrar before registration.

Student Welfare and Activities

This fee supports such services and activities as medical care, student government, concerts and lectures, class dues and popular programs, forensics and dramatics, intramurals, student publications, attendance at all athletic events on the campus.

Rental of Textbooks

A textbook rental fee entitles a student to receive textbooks used in each course for which he registers. At the beginning of each quarter textbooks are issued at the Bookstore, and at the end of the quarter textbooks that are not needed further are returned. Notebooks, workbooks, manuals, and the like are not included. A student who desires to own his textbooks may purchase them by paying the difference between the rental fee and the purchase price.

Laundry and Dry Cleaning

Laundry of linens and personal clothing and pressing and dry cleaning are provided at the college laundry. Students whose laundry service is in excess of the minimum charge will settle the account with the office of the Director of Business Affairs. All students should have permanent name markings in every article to be laundered or dry cleaned.

Off-Campus Courses

For off-campus courses a student pays the registration fee of \$15.00, library fee of \$3.00, and tuition of \$4.00 a quarter hour, a total of \$30.00.

Saturday and Evening Classes

A student who attends Saturday or evening classes pays the registration fee of \$15.00, library fee of \$3.00, and tuition of \$4.00 a quarter hour, a total of \$30.00.

Summer Quarter

See the Summer Quarter Bulletin.

Special Fees

Chemistry Laboratory Breakage per Year	\$ 5.00
Home Management House	\$140.00

A major in home economics is required in the senior year to spend one quarter in residence in the home management house for which she pays this fee for room and board instead of the regular charges.

Nursery School per child per quarter	\$50.00
Student Teaching	\$15.00

This fee is charged the student who spends one quarter during the senior year doing student teaching in the laboratory schools of the college or in approved off-campus schools.

Physical Education Activity

Bowling per quarter	\$14.00
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Skiing	35.00
Golf per quarter	14.00

Music Per Quarter

One thirty-minute individual lesson a week, any instrument or voice.....	15.00
Two thirty-minute individual lessons a week, any instrument or voice.....	30.00
One class lesson a week, any instrument or voice	9.00
Practice rooms, voice, piano, organ, first quarter hour	5.00
Each additional quarter hour	2.50
Practice rooms, strings, wind, percussion, first quarter hour	2.50
Each additional quarter hour	1.25

Late Registration 5.00 to 10.00

A student who does not complete his registration during the announced registration date is charged a \$5.00 fee, with an increase of \$1.00 for each additional late day of registration, the total not to exceed \$10.00.

Change of Course 1.00

For each course change initiated by the student after registration day.

Change of Room 1.00

For change of dormitory room initiated by the student after registration day.

Late Test 2.00

A student who does not take the required orientation tests at the time provided by the college will be required to pay a \$2.00 fee for each test.

Special Examination 5.00

This fee is charged the student who takes an examination in a course outside of the examination schedule, except in case of extreme emergency.

Transcripts \$1.00

A student who has paid all of his college fees is entitled to receive without charge three transcripts of his scholastic record. For each additional transcript the fee is \$1.00.

Graduate Record Examinations

Aptitude Test	7.00
Advanced Test	8.00
or	
Aptitude Test and one Advanced Test	12.00

National Teacher Examinations and Miller Analogies Test

The fee charged by the Educational Testing Service for the

common examination	9.00
Common and one Option	11.00
Common and two Options	13.00
Miller Analogies Test	2.00

Cap and Gown

Bachelor's degree	5.00
Master's degree	9.00

Diploma

Bachelor's degree	6.00
Master's degree	10.00

Auditing

A person except those on college appointment and students registered for a full schedule who audit a class pays the regular registration and tuition fees. Auditors do not take tests, examinations, receive grades or credit, or participate in class discussion.

Accident Insurance

For the protection of students an accident insurance policy is available on a voluntary basis for women and men. The policy provides coverage for nine months on campus or off campus. All students are encouraged to purchase the protection.

Special Note

Before taking final examinations at the close of each quarter, a student is expected to settle all accounts. A student may not register for a new quarter until all charges have been paid or arranged for and until all textbooks are returned to the College Bookstore. A student cannot receive a degree, certificate, or transcript of credits, until all accounts except current loans have been paid.

Refund of Fees

The room reservation fee of \$20.00 is refundable if cancellation of application is made by August 1 for the fall quarter through the office of the Director of Business Affairs.

If a student withdraws from the college before the close of the registration period, one-half of the room rent and tuition and a proportionate part of the amount paid for meals will be refunded. If a student withdraws after the close of the registration period, a proportionate part of the amount paid for meals will be refunded. Refunds will be calculated from the date of the official withdrawal from the college. Students who are suspended for disciplinary reasons or who do not formally withdraw are not eligible for a refund.

Information to Veterans

A veteran who enters the college under Public Law 894 for disabled veterans and has the approval of the Veterans Administration will have his college fees paid directly to the college by the Government.

Children of disabled or deceased veterans may receive assistance in payment of tuition, room, meals, and other college fees. For information and application forms, students should write to the North Carolina Veterans Commission, Raleigh, North Carolina.

STUDENT FINANCIAL AID

Appalachian is interested in establishing scholarships and loan funds for worthy, capable, and needy students.

Appalachian participates in the College Scholarship Service of the College Entrance Examination Board. Students wishing to apply for scholarships are expected to complete the Parents' Confidential Statement which is available through high school principals or from Educational Testing Service, Princeton, New Jersey.

Self-Help

The college provides limited opportunities for self-help to students who wish

to earn a part of their college expenses. The college participates in the College Work-Study Program under Title I, Part C, of the Economic Opportunity Act of 1964.

Scholarships

Alpha Gamma Chapter of Delta Kappa Gamma will award a scholarship of \$100 or more to a worthy student from Allegheny, Ashe, Avery, Watauga, or Wilkes county.

James G. K. McClure Scholarships, established in 1958 by the James G. K. McClure Education Foundation, provides several scholarships of \$200 each to freshmen from designated western counties who give promise of high intellectual attainment, who show evidence of Christian character, and who are in need of financial aid.

Legislative Scholarships. By act of the General Assembly of North Carolina a number of tuition scholarships are awarded each year in the amount of \$150 each and are awarded on the basis of need and merit.

Endowment Scholarships were made available in 1957 by the Board of Trustees from the income of Endowment Funds. Approximately 200 scholarships valued at \$125 upward are available to men and women who excel in scholarship, who are needy, and who give promise of leadership at the college.

Living Endowment Fund for Scholarships, initiated by the class of 1956 and continued by succeeding classes, provides fifteen to twenty scholarships annually with an average value of \$200. These scholarships are available to men and women who are scholastically in the upper quarter of their class and who need financial aid.

Vocational Rehabilitation Scholarships. Students who have physical disabilities which constitute vocational handicaps are eligible for scholarships from the North Carolina Vocational Rehabilitation Department. These scholarships are available for four years provided the student maintains a satisfactory record in college. For information, qualified students should write to the Department of Vocational Rehabilitation, Raleigh, North Carolina.

The John Hiliary Workman Memorial Scholarships, established in 1960 by Dr. John Hiliary Workman, Professor of Economics at Appalachian State Teachers College from 1946 to his death, and his sister, Miss Sarah Workman of Cherryville, North Carolina, provides scholarships for capable and needy students with the income from property valued at \$20,000.

Kenneth B. Linney Memorial Scholarship was established in 1961 in memory of Kenneth Linney by contributions from friends and immediate family. The scholarship of \$150 is made available by annual auditions to high school seniors who wish to major in voice, who have excellence of scholarship, seriousness of purpose, financial need, and who show professional promise. The scholarship is renewable by application.

The Collegiate Civic Club Scholarship, established in 1961 by a student organization, provides \$100 annually to a student of need and outstanding academic ability. The recipient of the award is selected by the club from recommendations made by the Faculty Committee on Student Scholarships and Financial Aid.

Student Activity Grants-in-Aid

Several fields of student activity including dramatics, music, baseball, basketball, football, and other activities, have been approved for grants-in-aid. Application forms are available from the Committee on Student Scholarships and Financial Aid.

Loan Funds

Since the loan funds are not sufficient to meet all requests, a student who needs assistance is requested to seek a loan in his local community. If he is not successful in getting a loan, he may apply to the Committee on Student Scholarships and Financial Aid.

When a student borrows money from any of the loan funds, he will sign a promissory note and provide security in the form of two qualified endorsers or collateral satisfactory to the office of the Director of Business Affairs. Arrangements may be made to repay the loan and interest in installments over a reasonable period of time after graduation or discontinuance of study. A student who receives a loan should understand that loan funds are revolving funds and that the college has the same interest in protecting them as it had in securing them.

The following loan funds have been established for the benefit of worthy students who need financial aid.

Charles F. Carroll Loan Fund of \$125 was donated in 1958 by Charles F. Carroll, State Superintendent of Public Instruction, to assist any student of character, scholarship, and need.

Nora E. Edmondson Loan Fund of \$500 was donated in 1956 by Mrs. Bertie E. Perkins in memory of her sister, Miss Nora E. Edmondson, who at the time of her death was the oldest graduate of the college, and who from her first visit in 1942 until her death, was one of its most loyal and devoted friends. This fund is available to graduate students only.

Frances L. Goodrich Loan Fund was contributed by the Trustees of Asheville College and is subject to return to the Frances L. Goodrich Loan Fund of Asheville College if a fully accredited four-year college is opened in Asheville. Loans are restricted to \$300 per year and are available only to junior and seniors.

Library Science Loan Fund was donated in 1953 by Miss Eunice Query and Miss Mabel Brister of the Appalachian Faculty. The loan is available only to majors in Library Science.

Middle Fork Loan Fund, which amounts to approximately \$60,000, was set up in 1925 by act of the legislature of North Carolina out of accumulated revenues above actual maintenance cost of the New River Light and Power Company.

The Milton Loan Fund of \$100 was established in 1940 by Mrs. David Milton of Blowing Rock and New York.

National Defense Student Loan Program. Appalachian participates in the National Defense Student Loan Program, which is a part of the National Defense Education Act of 1958. From this program students may borrow as much as \$2,000 a year but not more than a total of \$10,000 in the four-year college program. Even though students in any field of study are eligible, the Act specifically states that special consideration shall be given to "students with superior academic backgrounds." No interest is charged on the loan until one year after graduation or discontinuance of study. When the date of repayment begins, a three per cent interest rate is charged. Fifty per cent of the loan including interest may be canceled if the borrower becomes a public school teacher. Ten per cent of the loan plus interest is canceled for each completed year of teaching up to five years.

North Carolina Scholarship Loan Fund for Prospective Teachers, established by act of the legislature of North Carolina in 1957 for capable students who are preparing to teach in the public schools of North Carolina makes available a loan up to \$350 a year. Students with good high school or college records may be eligible for a loan for each of four years. One annual loan is automatically canceled for each year that the student teaches in the public schools of North Carolina.

If the student does not teach, the loan must be repaid at 4 per cent interest. For application forms, interested students should write directly to the State Department of Public Instruction, Raleigh, North Carolina.

Rhododendron Loan Fund of \$2,500 was established by *The Rhododendron*, the college annual.

Student Loan Fund of approximately \$5,000 was donated over a period of years by graduating classes.

W. J. Waters Graduate Loan Fund of \$500 was donated in 1958 by W. J. Waters, alumnus of Appalachian, for graduate students only.

ACADEMIC REQUIREMENTS AND REGULATIONS

Appalachian operates on the quarter system with the year divided into four quarters. The summer quarter consists of eleven weeks, two six-week terms, and four two-week terms. Students receive course credit on the basis of quarter hours.

The college awards the Bachelor of Arts, the Bachelor of Science, and the Master of Arts degrees.

Baccalaureate Degree Requirements

Requirements Common to the Bachelor of Arts and the Bachelor of Science Degrees.

The following graduation requirements apply to both baccalaureate degrees and for all students.

1. Completion of at least 195 quarter hours with a grade point average of at least 2.0 on all work attempted, and a 2.0 grade point average on all work attempted in the major or the area of specialization. A transfer student must have at least a 2.0 grade point average on all work attempted at Appalachian.
2. Compliance with specific course requirements and distribution in general education and specialization. Specific requirements for each departmental major and minor or area of specialization preface the courses offered by the department.
3. Completion of residence requirements.
4. Demonstration of proficiency in reading, speech, and written English.
5. Compliance with regulations concerning college assembly attendance, settlement of all expense accounts, satisfactory citizenship.
6. Recommendation of the faculty.

Meeting graduation requirements is the student's responsibility.

Bachelor of Arts Degree

For the degree of Bachelor of Arts a student shall also complete the following requirements:

1. GENERAL EDUCATION REQUIREMENTS 84-93 q.h.

Courses in the communication arts, humanities, mathematics, social science, natural science, and behavioral science are designed to give a student competence in the communication arts and logical thinking, a broad acquaintance with the various components of human knowledge, an understanding of our cultural and social heritage, and an opportunity to develop value judgments, constructive attitudes, and the ability to function purposefully in a democratic society.

For the Bachelor of Arts and the Bachelor of Science degrees, a student shall complete the following requirements in General Education:

- a. **Communication Arts** 13 q.h.
This requirement is met by completing
English 101-102-103. Grammar and Composition 9 q.h.
or advanced placement
Speech 101. Fundamentals of Speech 3 q.h.
or advanced placement
Education 100. Developmental Reading 1 q.h.
- b. **Humanities** 15 q.h.
This requirement is met by completing

English 201, 202, 203. English Literature 9 q.h.
or equivalent

Six hours from two of the following areas: 6 q.h.

Fine Arts

Art 217. Introduction to Art

Music 217. Music Appreciation

Philosophy and Religion

Philosophy 201. Ancient Philosophy

Philosophy 202. Medieval and Renaissance Philosophy

Philosophy 203. Modern Philosophy

Philosophy 302. Contemporary Philosophy

Religion 201. Old Testament History

Religion 203. Life and Religion of Christ

Foreign Languages

c. **Social Science** 21 q.h.

This requirement is met by completing

History 101, 102, 103. World Civilizations 9 q.h.

History 201, 202. History of the United States 6 q.h.

Six hours from two of the following areas: 6 q.h.

Anthropology 210. General Anthropology

Anthropology 310. Cultural Anthropology

Economics 200. General Economics

Geography 101. Physical Geography

Geography 102. World Regions

Political Science 201. American National Government

Political Science 304. Recent Political Thought

Political Science 310. International Relations

Sociology 201. General Sociology

Sociology 202. Social Problems

d. **Science** 18-25 q.h.

This requirement is met by completing

Physical Science 101-102-103. Man and His Environment 9-12 q.h.

or a year course in chemistry or physics.

Biology 101-102-103. Introduction to Life Science 9-12 q.h.

or

Biology 104-105-106. General Biology

e. **Mathematics** 8-11 q.h.

This requirement is met by completing Mathematics 101-102-103.

Introduction to Mathematics, Algebra, Introductory Probability

or

Mathematics 107-108. College Algebra, Trigonometry

or advanced placement

f. **Behavioral Science** 3 q.h.

This requirement is met by completing

Psychology 201. General Psychology 3 q.h.

g. **Physical Education** 6 q.h.

Total 84-93 q.h.

2. FOREIGN LANGUAGE

9-18 q.h.

Successful completion of nine quarter hours of a second year of foreign language or higher. The Department of Foreign Languages places students at the level at which they are prepared to perform regardless of previously earned units.

3. MAJOR

36-60 q.h.

A major selected from the subjects listed below with a minimum of 36 quarter hours and a maximum of 60 quarter hours in one department above General Education and foreign language requirements.

4. MINOR

18-24 q.h.

Eighteen to twenty-four quarter hours above General Education and foreign language requirements in a subject listed below.

5. ELECTIVES to complete 195 quarter hours.

Majors and minors leading to the Bachelor of Arts degree are offered in the following fields:

Art	Mathematics
Biology	Music
Chemistry	Philosophy and Religion
Economics and Business*	Physics
English	Political Science
French	Psychology
Geography and Geology	Sociology and Anthropology
History	Spanish
Library Science	Speech

Specific requirements for each departmental major or minor preface the courses offered by the department.

For the Bachelor of Arts degree, a student is required to take the Aptitude Tests and the Area examination, if available, of the Graduate Record Examination.

A candidate for the Bachelor of Arts degree may qualify for a teacher's certificate by completing all academic and professional education requirements for certification.

Bachelor of Science Degree

For the degree of Bachelor of Science a student shall also complete the requirements of one of the following programs:

PROGRAM A**1. General Education requirements**

84-93 q.h.

Same as General Education requirements for the Bachelor of Arts degree.

2. Major

36-60 q.h.

A major selected from the subjects listed below with a minimum of 36 quarter hours and a maximum of 60 quarter hours in one department above General Education requirements.

3. Minor

18-24 q.h.

Eighteen to twenty-four quarter hours in an academic department above General Education requirements.

4. Electives to complete 195 quarter hours.

Majors leading to a Bachelor of Science degree under Program A are offered in the following fields: Economics and Business, Health and Physical Education, Home Economics, Industrial Arts.

* A student may include not more than nine quarter hours in office skills and methods in the major or minor for the Bachelor of Arts degree.

Specific requirements for a major or a minor in a department preface the courses offered by the department.

For the Bachelor of Science degree, Program A, a student is required to take the Aptitude Test and the Area Test, if available, of the Graduate Record Examination.

A candidate for the Bachelor of Sciences, Program A, may qualify for a teacher's certificate by completing all academic and professional education requirements for certification.

PROGRAM B

All curricula under Program B lead to the Bachelor of Science degree and teacher certification. Requirements for the Bachelor of Science degree and teacher certification follow:

1. General Education requirements 84-93 q.h.

Same as General Education requirements for the Bachelor of Arts degree.

2. An area of specialization in preparation for teaching 36-85 q.h.

To provide intensive and specialized work, a student should elect by the end of the freshman year a field in which he will do major work. For the degree a student must present a field of specialization of not less than thirty-six quarter hours. Specific requirements for each major preface the courses offered by the department.

The college offers undergraduate programs of instruction in the following major fields leading to teacher certification:

Art	Library Science
Biology	Mathematics
Chemistry	Music
Economics and Business	Physics
Elementary Education	Political Science
English	Science
French	Social Science
Geography and Geology	Sociology and Anthropology
Health and Physical Education	Spanish
History	Speech
Home Economics	Special Education
Industrial Arts	

3. Professional Education 33-42 q.h.

To qualify for a professional certificate to teach, a student must complete the following courses in education and psychology:

Education 301, 302	6 or 9* q.h.
Psychology 301, 302, 303	9 q.h.
Methods course or courses	3-9* q.h.
Education 404, 405, or 407	15 q.h.

33-42*

* Education 303 and Education 306, 401 or 402, and 403 are also required for majors in elementary education.

A candidate for a certificate to teach is required to take the Common Examination and the Teaching Area Examination, if available in his field, of the National Teacher Examinations.

To be admitted to the professional education sequence of courses, a student must have met the following requirements:

- A. Successful completion of proficiency tests in reading, speech, and written English.
- B. Completion of a minimum of 82 hours and an overall grade point average of at least 2.0 on all work attempted.
- C. A recommendation from the Dean of Student Affairs that the student has no health, personality, or citizenship deficiency detrimental to the welfare of pupils.

Master of Arts Degree

For requirements of the Master of Arts degree, see Graduate Studies, page 58.

Standards of Scholarship

In all work done for a degree scholarly performance is expected. The student is expected to demonstrate academic competence, intellectual honesty and responsibility, a willingness to do more than the minimum required, and the ability to think critically and constructively.

Residence

A student must spend at least the senior year (three quarters) in residence at the college and complete a minimum of forty-five quarter hours with at least an average grade of C.

Requirements for a bachelor's degree must be completed within sixteen quarters of residence or the equivalent.

Proficiency Requirements and Screening

All students must successfully pass proficiency tests in reading, speech, and written English. Tests are given in speech and reading during the freshman and/or sophomore years and in written English during the sophomore year. Transfer students also must pass these tests.

Transfer students who have completed two full years of college will be required to pass the tests in reading and written English within the first two quarters after they are admitted. They must pass the test in speech within the first three quarters after they are admitted. If they do not pass the tests within the allotted time, they will be required to withdraw from the college.

Under the supervision of the Dean of Student Affairs, the proficiency requirements and screening are administered by a Screening Committee in each of the areas and a standing Faculty Committee on Screening. Members of the committees are chosen from different departments, emphasizing college-wide responsibility.

Assembly

For graduation a student must attend college assemble for each quarter of residence in the regular session until sophomore classification.

Credit Limitations

1. A maximum of thirty quarter hours of extension and/or correspondence work from recognized institutions may be credited toward meeting the requirements for graduation. Correspondence courses are not offered by the college.

2. Except for physical education majors, not more than nine hours in physical education activity courses may be included within the required 195 hours.

3. A candidate for a Bachelor of Arts degree may count not more than a total of 60 hours above General Education in any one department.

4. A student may graduate under the requirements specified in the catalog at the time of his admission provided he graduates within a period of six years from the date of entry.

5. Credits that have been earned more than ten years prior to the date of graduation must be validated if and when they are submitted to fulfill degree requirements.

6. No student may be a candidate for more than one bachelor's degree at a time. However, a graduate who holds one bachelor's degree may earn a second bachelor's degree by taking additional work of at least 45 quarter hours and by completing all requirements for the degree.

Extension and Correspondence Credit

Not more than thirty quarter hours of extension and/or correspondence credit from recognized institutions may be applied toward meeting the requirements for graduation. Correspondence courses are not offered by the college. Before registering for a course by correspondence, a student must have the written permission of the Registrar and the chairman of the department in which the course is listed. The combined load of residence courses and of correspondence courses may not exceed the maximum load allowed.

Registration

Students are expected to register at the time specified on the college calendar. Registration schedules are announced, and registration materials are available in the office of the Registrar. A fee is charged for late registration.

Academic Load

A student normally takes from fifteen to nineteen hours a quarter. A student who has established an average grade of *B* or better on at least fifteen hours in the preceding quarter with no grade less than *C* may by permission of the Registrar take a maximum of twenty-two hours a quarter. A freshman may not carry more than nineteen hours during the first quarter of residence. Registration for less than twelve hours places the student on part-time status.

Courses Repeated For Credit

When a course is repeated, all grades are counted in determining the student's hour-grade point average. A course on which a student has received a grade of *C* or higher cannot be repeated for credit.

Change of Course

With the approval of his faculty adviser and of the Registrar a student may drop or add courses or change sections until the close of registration. If a course is added, approval must also come from the chairman of the department in which the course is taught.

After the close of registration a student may not add a course. A student may not drop a course or change a section without the recommendation of his faculty adviser and the approval of the Dean of Student Affairs.

Any student who has official permission may drop a course within two weeks after the close of registration and receive a grade of "DR." No grade points or hours are counted for a grade of "DR."

Any course officially dropped more than two weeks after registration closes for the quarter is assigned a grade of "DRP" or "DRF" depending on whether the student was passing or failing. If the grade is "DRP" the hours are not counted; if the grade is "DRF" the hours are counted. Courses dropped at any time without permission are recorded as "F" and the hours are counted.

A student pays a fee of one dollar (\$1.00) for each change not initiated by the college.

Class Attendance

A student is expected to attend every meeting of his classes and not to absent himself without adequate reason. The Dean of Student Affairs will approve excuses only for college-sponsored activities, illness certified by a physician or the college nurse, death or extreme hardship in the immediate family.

Instructors report all excused and unexcused absences for each student to the Registrar at the end of each quarter.

Withdrawal From College

A student who wishes to withdraw from the college for any reason must make arrangements with the Dean of Student Affairs prior to withdrawal. Permission from the parents or guardian of a minor student to withdraw is required.

Students who withdraw officially from the college receive grades of "W" and hours are not counted. Students who withdraw unofficially from the college receive grades of "F" and hours are counted.

Course Examinations

It is the policy of the college to require final examinations in all courses. Final examinations are held during the final week of the quarter. After the schedule for examinations has been made, instructors may not change the date of an examination without the written permission of the Dean of Academic Affairs. Nor may a student take an examination outside of the scheduled time except by permission of the instructor of the course and the Dean of Student Affairs and then only in the case of extreme emergency.

Special Examination

A student who is absent from a final examination because of an emergency takes the make-up examination at the convenience of the instructor and with the approval of the Dean of Student Affairs.

Reports

Final quarter grades are reported to the office of the Registrar not later than forty-eight hours after the examination in the course is given. Each instructor posts the grades of his students. At the end of each quarter a report of the student's grades is sent to his parents or guardian.

Grades and Grade Points

At the end of each quarter grades are given in each course by letters which indicate the quality of work done by the student.

A—Excellent—4 grade points per quarter hour.

B—Above Average—3 grade points per quarter hour.

C—Average—2 grade points per quarter hour.

D—Below Average but Passing—1 grade point per quarter hour.

F—Failure—0 grade points (May not be made up except by repeating the course)

I—Incomplete—Because of sickness or some other unavoidable cause. An *I* becomes an *F* if not removed within one year.

X—Condition—Grade withheld pending the completion of some required work.

W—Withdrawn—Official permission to drop out of college.

DR—Course dropped with permission within two weeks after registration closes.

DRP—Course dropped with passing grades more than two weeks after registration closes. Hours are not counted.

DRF—Course dropped with failing grades more than two weeks after registration closes. Hours are counted.

Y—Auditing.

S-U—The grade for student teaching is reported as “satisfactory” or “unsatisfactory.”

All official “Drops” and “Withdrawals” are recorded on change cards, which when completed and approved must be filed in the Registrar’s office.

Grade point averages are determined by dividing the total number of grade points by the number of hours *attempted*. The averages are expressed in ratio. A ratio of 2.00 indicates that the student has an average of *C*; above 2.00 indicates that he has an average above *C*; below 2.00 indicates that he has an average below *C*. Only work taken at Appalachian State Teachers College is included in computing grade point averages. The minimum grade point average for graduation is 2.00 or an average grade of *C* on all work attempted except credits earned in student teaching, for which a grade of “satisfactory” or “unsatisfactory” is reported and recorded.

Classification

At the end of each quarter students are classified on the basis of quarter hours and grade points earned. All students who are admitted as regular first-year students or who have completed less than forty-five quarter hours are classified as freshmen.

Students who have completed at least forty-five quarter hours with a grade point average of at least 1.65 are classified as sophomores.

Students who have completed at least ninety quarter hours with a grade point average of at least 2.00 are classified as juniors.

Students who need not more than fifty-one quarter hours and 102 grade points to be graduated are classified as seniors.

Academic Suspension

At the *beginning* of the quarters listed below a student is eligible to register if he has met the grade point average and has passed the number of hours indicated. Note carefully the two requirements: grade point average and hours passed. Failure to meet either of these requirements makes the student ineligible to register in good standing for the quarter in question.

<i>To Register at Beginning Of</i>	<i>Minimum Grade Point Average</i>	<i>Minimum Hours Passed</i>
Quarter 1	—	—
Quarter 2	—	9

Quarter 3	1.00	18
Quarter 4	1.25	30
Quarter 4	1.33	42
Quarter 6	1.41	54
Quarter 7	1.50	68
Quarter 8	1.58	82
Quarter 9	1.66	96
Quarter 10	1.75	112
Quarter 11	1.80	124
Quarter 12	1.85	136
Quarter 13	1.90	150
Quarter 14	1.93	162
Quarter 15	1.96	174
Quarter 16	1.99	186
Graduation	2.00	195

All students will be required to make satisfactory progress during each quarter. A student whose grade point average drops below the minimum requirements for registration may be eligible for academic probation. "Academic probation" means that a student has one quarter to meet the minimum standards for registration. A student on academic probation who fails to achieve that minimum may be suspended from the college for not less than one quarter.

At the end of the suspended quarter the student may apply for readmission. If admitted, he will be on probation for one quarter. Should he fail to meet registration requirements during this second probation, the student may be suspended and may not be reconsidered for admission until three quarters have elapsed. As a policy, students who are twice suspended for academic deficiencies will not be eligible for readmission.

Consideration of requests for readmission of students who have been suspended for any reason will be made in the light of the applicant's ability, evidence of growth and maturity, good citizenship record, credits earned at another institution, and time elapsed since leaving Appalachian. Requests for readmission should be sent to the Dean of Student Affairs.

Honors

To encourage high scholarship, the college officially recognizes students who distinguish themselves in scholarship.

Honors Day

Honors Day is observed in a convocation of students and faculty during the spring quarter with an address by a distinguished speaker. The printed program contains the names of all students qualifying for scholastic honors, and each honor student is awarded a certificate.

Alpha Chi, a national scholastic fraternity, is open to not more than the top ten per cent of the junior and senior classes who have a grade point average of not less than 3.25.

Dean's List

At the end of each quarter a student who has taken at least fifteen hours and has achieved a grade point average of at least 3.00 on all work attempted with no grade below C and with no "Incomplete" or "Condition" is placed on the Dean's List.

Honor Teaching

A student who shows exceptional initiative, scholarship, and excellence in

student teaching may be designated and recognized as an Honor Teacher. The honor will be entered on his official college record.

Graduation with Honors

A student who has an average of 3.00 grade points or above on work presented for graduation is graduated *cum laude*. A student who has an average of 3.50 grade points or above on work presented for graduation with no grade below C is graduated *magna cum laude*. The student who has the highest grade point average in his class is graduated *summa cum laude*.

National Teachers Examination

A candidate for a certificate to teach is required to take the Common Examination and the Area Examination, if available, of the National Teacher Examinations. The fees charged are those of the Education Testing Service, Princeton, New Jersey.

For a regular A certificate in North Carolina issued from July 1, 1964, a candidate must make a minimum score of 450 on the National Teacher Common Examination. A candidate who scores less than 450 and not lower than 400 may be issued a probationary certificate for not more than a two-year period. No certificate is issued to an applicant who makes a score lower than 400 on the Common examination.

Graduate Record Examination

A student who does not take a program leading to teacher certification is required to take the Aptitude Test and the Advanced Test, if available, of the Graduate Record Examination.

Graduation

Degrees are conferred at the cost of the spring and summer quarters. Candidates for degrees must file application for degrees and North Carolina certificates on blanks provided by the Registrar before the end of the quarter immediately preceding the last quarter in residence. At the time of filing the application all requirements except current work should be completed.

All candidates for degrees at any commencement are expected to be present to receive their degrees in person unless excused by the Dean of Student Affairs.

Summer Quarter

The summer quarter is a regular quarter of the college year and consists of an eleven-week quarter, two six-week terms, and four two-week terms.

The primary purpose of the college in the summer quarter is to provide opportunities for students to accelerate their progress toward degrees by attending college year round. Consequently, the schedule of classes in the summer is designed especially for recent high school graduates who desire an early start with their college programs, undergraduate students from Appalachian and other colleges and universities who desire to accelerate their programs, and teachers and other educators who desire to advance professionally.

The schedule of courses to be offered during the summer is published as a part of the summer quarter bulletin in March of each year. Copies of the bulletin or information about the summer quarter may be had by communicating with the Registrar, Appalachian State Teachers College, Boone, North Carolina.

Student Teaching

During the fall, winter, spring or summer quarter of the senior year each student who is taking a program leading to teacher certification is expected to do student teaching for one quarter in the field for which he has been preparing. This work will consist of full-time teaching under the guidance of a competent and experienced teacher. The student will spend full time in the school where he does his student teaching and his formal teaching load will be gradually increased until he has an opportunity to carry from one-half to all the teaching load of his supervising teacher. Student teaching provides the student professional laboratory experience in the same activities in which the regular teacher engages. In addition to the regular classroom teaching activities the student will experience and share in the extra-curricular activities of the school, community activities, professional activities such as faculty meetings, routine activities, such as making reports, and meeting and working with parents.

The assignment of a student to a particular school or laboratory situation will be based upon the needs, interests, and abilities of the individual student, and the characteristics of the particular school.

Student teaching assignments in off-campus schools will conform to the local schedule with reference to the Thanksgiving, Christmas, and Easter holidays. Student teachers who will graduate at the end of their student teaching experience will be given one day off during the quarter to complete arrangements for graduation at the college. Graduating seniors assigned to student teaching in the spring quarter will be released on the Tuesday preceding the annual spring closing.

Conditions Prerequisite to Student Teaching

The following requirements must be met prior to student teaching:

1. Application must be filed not later than November 24, preceding the school year, September 1 to August 31, in which the student expects to do student teaching.
2. A student must have an overall grade point average of at least 2.00 one quarter in advance of student teaching and must have met all screening requirements.
3. A student must have the recommendation of his academic adviser and the approval of the chairman of the department in which he is majoring. A student should have completed two-thirds of the work required in general education and in his field of concentration before he may be approved. A student who is planning to graduate in three calendar years may register for student teaching in the ninth quarter.
4. A student must have the approval of the chairman of the Department of Education. A student must have completed Education 301-302-303, Education 401 or 402 and 403, and Psychology 301-302-303 if he is a major in elementary, kindergarten, or special education, and Education 301-302, a methods course, and Psychology 304-305-306 if he is a major in a secondary or special subject.
5. The Committee on Teacher Education will review cases and make recommendations concerning students who, in their judgment, may be ineffective as teachers.
6. Each applicant must agree to give full time, one quarter to student teaching.

Teacher Certification

For a regular *A* certificate in North Carolina issued July 1, 1964, a candidate must make a minimum score of 450 on the National Teacher Common Examination. A candidate who scores less than 450 and not lower than 400 may be issued

a probationary certificate for not more than a two-year period. No certificate is issued to an applicant who makes a score lower than 400 on the Common examination.

All transcripts showing that the student is qualified for a teaching certificate bear this notation:

This is to certify that (name) has satisfactorily completed the regular National Council for Accreditation of Teacher Education accredited program of this institution for the preparation of teachers and that (he or she) is specifically prepared to teach (subject). This applicant has met all other appropriate standards of this institution which are required for full recommendation for teaching.

GRADUATE STUDIES

History

Graduate study leading toward the Master's degree was first offered at Appalachian State Teachers College during the summer of 1942 with fifty-one students enrolled in graduate courses. During the summers of 1942-47 graduate work offered was on a cooperative basis with the University of North Carolina, with that institution giving full credit toward the Master's degree. Beginning with the summer of 1948, Appalachian accepted qualified students as candidates for the Master of Arts degree. On February 26, 1949, graduate study at Appalachian was approved by the American Association of Colleges for Teacher Education.

Graduate Studies, organized to provide facilities for advanced study leading to the Master of Arts degree, offers programs of graduate work during the summer quarter and the three quarters of the regular session. A maximum of nine quarter hours may be earned in a six-week summer term and fifteen quarter hours in a quarter in the regular session.

Objectives

The primary objective of Graduate Studies is to add to the competency of teachers and other educational workers. Each course offered is justified in terms of the contribution which it makes toward a realization of the general aim of the program and the specific objectives of the individual student. Both functional and scientific in their approach, the objectives of Graduate Studies are to prepare master teachers, supervisors, and administrators. Accordingly, work leading to the Master of Arts degree is designed to prepare teachers for the following types of positions: Superintendent, Principal, General Supervisor, Supervisor of Student Teaching, School Librarian, Secondary School Teacher, Elementary School Teacher, Special Education Teacher, School Counselor, School Musician, Reading Specialist, Audiovisual Specialist, Junior College Teacher, Teacher of the Deaf.

Requirements for Admission

Admission to graduate study is based on the following:

1. A baccalaureate degree from a college or university of recognized standing.
2. An undergraduate background appropriate for graduate study in the proposed field. If the student intends to qualify for a graduate certificate, he must present a minimum of twenty-seven hours of undergraduate credit in Education and related courses. For prerequisites in his academic field, he should consult the chairman of the graduate advisory committee in that field.
3. An undergraduate academic average of at least C+. A student with a lower academic average may, with the permission of the Graduate Council, register for advanced work and upon the satisfactory completion of one quarter of work may make application for admission to graduate study.
4. An application for admission made on a special form, obtainable on request, and submitted with a complete transcript of all previous college work, unless done at Appalachian, at least one month before the candidate plans to begin graduate study. The application for admission must be accompanied by an application fee of five dollars, which is not refundable.
5. Two reference ratings, one of which must be from a college administrator or the head of the department in the candidate's undergraduate major field of study.
6. Freedom from serious physical, personality, or speech defects.
7. Approval of the chairman of the department or division in which he intends to major.

8. A record of successful teaching experience or satisfactory completion of student teaching, except for those planning to prepare for junior college teaching.
9. Unless he intends to prepare for teaching in a junior college, an applicant must hold, or be eligible to hold, a North Carolina *A* teaching certificate in his chosen field or the comparable certificate in another state.
10. A candidate for a bachelor's degree who lacks not more than twelve quarter hours of undergraduate work or student teaching may take graduate courses to make a total of not more than fifteen quarter hours in a twelve-week term, provided he is qualified otherwise for admission.

Admission Status

Regular. Regular admission to Graduate Studies is granted to students who meet the established requirements for entrance.

Provisional. A student who does not have all the prerequisites for admission, or who has deficiencies, but is otherwise admissible may enter on a provisional basis.

Probationary. A student who does not meet established requirements for admission but who supplies sufficient evidence to show that he is capable of doing satisfactory graduate work may be admitted on a probationary basis for one quarter. If his work is satisfactory, he may then be permitted to apply for admission to candidacy for the Master's degree.

Certification. A student who does not plan to work for the Master's degree may be permitted to register for graduate courses to be used for renewing his certificate or changing his certification pattern. Such work, however, may not later be applied toward the degree. Unless the student already holds the Master's degree, he is normally encouraged to apply for admission in order to assure a dual use of his graduate credits.

Transient. A student enrolled in another recognized graduate school may be permitted to register for a limited number of graduate credits at Appalachian provided the dean of the graduate school in which he is enrolled submits a statement that he is in good standing.

Requirements for Admission to Candidacy for the Master's Degree

Admission to graduate study does not carry with it admission to candidacy for the Master's degree. Admission to candidacy for the degree is acted upon after one quarter of graduate study in the college.

1. Admission to candidacy is contingent upon the recommendation of the applicant's advisory committee and the approval of the Graduate Council.
2. Before being accepted as a candidate for the degree, an applicant will be expected to have:
 - a. Given evidence of personal and professional fitness to become a candidate for the Master's degree.
 - b. Attained a satisfactory level of competency through pre-service or in-service teaching experience.
 - c. Demonstrated ability to do satisfactory and creditable work at the graduate level. A student must have at least a *B* average at the time his application for candidacy is presented.
3. Before filing application for admission to candidacy, the applicant shall have taken the Miller Analogies Test and the Common and the Option in his aca-

demic areas of the National Teacher Examinations. Admission is contingent upon acceptable scores. The cutoff scores are 30, 520, and 55 respectively.

4. Each student shall file with the chairman of his advisory committee an application for admission to candidacy before the end of the quarter in which he will complete twelve quarter hours of resident graduate credit at Appalachian. Blanks for this purpose may be obtained from the office of the Director of Graduate Studies. At the time the application is presented to the Graduate Council by the Chairman of the Advisory Committee, the student shall have completed the research course required in his major field and at least one other course in his major field. In all cases the student must complete at least fifteen quarter hours of credit after he is admitted to candidacy.
5. The application for admission to candidacy shall be accompanied by a proposed program of study approved by the applicant's advisory committee and the Director of Graduate Studies. The program of study for the secondary teacher will include a major of not less than thirty-three quarter hours with a thesis (36 without) in Biology, Business Education, Chemistry, Counseling, English, French, Industrial Arts, Library Science, Mathematics, Music, Physical Education, Social Science, or Spanish and a minor of not less than twelve quarter hours in Education.
6. Except for those preparing to teach in junior college, students are required to present a minimum of twenty-seven quarter hours of undergraduate credit in Education and related courses. The applicant's academic field shall be based upon a prerequisite of an undergraduate major in that field. Persons preparing in elementary education and majoring in an academic area must present a minimum of twenty-one quarter hours in one undergraduate academic field and may spread the academic graduate work over as many as four fields with at least nine hours of academic work in a single field.

Requirement for Graduation

The degree of Master of Arts may be conferred upon a student who has completed with high credit the program of work submitted to the Graduate Council at the time his application for admission to candidacy was approved. The candidate may, with the approval of his advisory committee and the Graduate Council, elect not to write a thesis. Hence, either of two programs for the degree may be followed.

WITH THESIS:

1. Thirty-nine acceptable quarter hours of graduate course work, exclusive of the thesis, completed in residence at Appalachian.
2. A minimum residence of one academic year (36 weeks) or its equivalent in the summer.
3. A thesis in the major field of interest, for which the candidate shall register for credit not exceeding six quarter hours.
4. All graduate credit offered for the degree must have been earned within a limit of six calendar years. By special permission of the Graduate Council, however, a student may validate by examination credit earned within a limit of ten calendar years. All work to be credited toward the degree, except that being taken currently, must be completed and grades recorded at least four weeks before the degree is awarded.
5. Not more than fifteen quarter hours offered toward the degree may be senior-graduate credit.
6. Grades on course work may not average lower than *B*. No graduate course with a grade below *C* will be credited toward the degree.

7. An acceptable performance on a comprehensive examination, either oral or written or both, on the major field is required of every candidate for the degree who began his graduate work after September 1, 1960. The comprehensive must be scheduled during the last one-third of the residence period and at least ten calendar days prior to the date on which the candidate receives the degree.

WITHOUT THESIS:

1. Fifty-four acceptable quarter hours of graduate course work, forty-five of which must be completed in residence at Appalachian. A candidate may, with the permission of his advisory committee and the approval of the Graduate Council, offer up to nine quarter hours of resident graduate credit from another graduate school or nine quarter hours of graduate extension credit from Appalachian, but in no case may the residence at Appalachian be less than one academic year.
2. A minimum residence of forty-two weeks or its equivalent in summer sessions, except that up to six weeks of residence may be waived if as much as nine hours of extension credit or transfer credit is accepted toward the degree.
3. All graduate credit offered toward the degree must have been earned within a limit of six calendar years, or, if earned within a limit of ten years, validated by examination.
4. For candidates majoring in Education, not more than eighteen quarter hours offered toward the degree may be senior-graduate credit. For candidates completing an academic major of thirty-six hours or more, up to twenty-four hours of senior-graduate work may be approved, provided that not more than eighteen quarter hours of it is offered in the major.
5. Grades on course work may not average lower than *B*. No graduate course with a grade below *C* will be credited toward the Master's degree.
6. An acceptable performance on a comprehensive examination, either oral or written or both, on the major field is required of every candidate for the degree who began his graduate work after September 1, 1960. The comprehensive must be scheduled during the last one-third of the residence period and at least ten calendar days prior to the date on which the candidate receives the degree.

THESIS:

The subject of the thesis must be within the major field. The thesis should show:

1. Ability of the candidate to work independently on an approved problem.
2. A reasonably wide familiarity with the literature of the field of specialization.
3. A practical working knowledge of research methods.
4. Conclusions supported by data.

The student must have presented a prospectus to his advisory committee and received approval of his proposed topic before he is permitted to register for the thesis. Normally, the candidate's advisory committee will constitute his thesis committee, but the chairman of the advisory committee may appoint any member of the graduate faculty of his staff to act as chairman of the thesis committee and to supervise the writing of the thesis.

The latest edition of Campbell's *Form Book for Thesis Writing* is the approved guide for form. With the approval of the Director of Graduate Studies and the thesis committee, the form may be varied to meet the requirements of publishers if the manuscript is to be printed.

At least four weeks (two weeks in the summer quarter) before he is scheduled to defend his thesis before his examining committee, the candidate must submit a preliminary copy to each member of his committee. Within ten days (five days in the summer quarter), other members of the committee shall return the thesis

to the chairman of the thesis committee with written criticisms and statements of conditional or tentative approval.

Prior to seven calendar days (five in the summer quarter) before he expects to receive his degree, the candidate will defend his thesis in an oral examination by his committee.

Immediately after approval by the thesis examining committee, four typewritten copies of the thesis, the original and the first three carbons, must be filed in the College Library, together with the costs of having them bound.

Four copies of the approval sheet must be prepared by the student. One copy is bound with each copy of the thesis.

Four copies of an abstract of the thesis must be filed with the thesis after the abstract has been approved by the chairman of the thesis committee. The abstract, not to exceed two typewritten pages, shall give the problem, the procedure, and the conclusions reached in the thesis.

Application for the Degree

The graduate student must file with the Director of Graduate Studies on application for the Master's degree the first week of his final registration period. The application form may be secured from the Graduate Office. If he wishes to apply for a certificate to teach in North Carolina, the candidate must also file an application for a certificate. This form, too, may be secured from the Graduate Office.

Degrees not Conferred in Absentia

Candidates for the Master of Arts degree are expected to be present at any commencement to receive their degrees in person unless excused in writing by the Director of Graduate Studies.

Fellowships and Assistantships

Appalachian offers approximately seventy fellowships and assistantships for the regular session. Six research fellowships carrying stipends of \$1000 each are available to qualified applicants. Half-time fellows and assistants will devote twenty-four hours a week to laboratory instruction or other service to the college. Third-time and quarter-time assistants given proportionately less time to their assistantships. Assistants receive annual stipends of \$1,333 and \$1,000 respectively and are permitted to carry a quarterly academic load of nine, twelve, and fifteen quarter hours depending upon the classification of the assistantships.

Teaching fellowships are available in the Laboratory Schools and in the college. Departments in which fellows and assistants may work are Biology, Business Education, Chemistry, Education, English, French, Industrial Arts, Library Science, Mathematics, Music, Physical Education, Social Science, and Spanish. In addition, eight dormitory counselorships are available.

For the preparation of junior college teachers Appalachian offers a two-year program which combines graduate study with supervised college teaching and leads to the Master of Arts degree and one year of college teaching experience in any one of the following fields: Biology, Business Education, Chemistry, Education, English, French, Industrial Arts, Mathematics, Music, Physical Education, Social Studies, and Spanish. Five appointments in this program are maintained each year. An applicant is required to have at least an average of *B* on his undergraduate work. Teaching experience is desirable. The junior college teaching fellow receives a stipend of \$3,400 paid on the basis of \$1,000 during the first year and \$2,400 during the second.

Anyone wishing to apply for an assistantship or a teaching fellowship should

write the Director of Graduate Studies for an application form and return it properly filled out, and should submit a complete transcript of his college work not later than July 1. Applications for fellowships are considered after applicants have been approved for admission to Graduate Studies.

Loans

Graduate students who have been admitted to candidacy for the degree are eligible to apply for loans not exceeding \$500 a quarter. Preference for these loans, most of which are made available through the National Defense Education Act, is given to graduate students who do not hold the fellowships or assistantships. Applications for loans should be submitted to the Chairman of the Committee on Student Scholarships and Financial Aid at least one month before the money is needed.

Internships

In addition to internships in junior college teaching, qualified applicants may serve internships in school administration and in supervision of student teaching. To be eligible for an internship an applicant must:

1. Hold a valid North Carolina A certificate or better.
2. Have successfully completed three or more years of teaching with at least one year in the school system in which he plans to do his internship.
3. Have the recommendation of his principal and/or superintendent.
4. Have been admitted to candidacy for or hold the Master's degree.

The following administrative policy governs internships.

1. An applicant for an internship must be working within a reasonable distance of the college.
2. The number of registrants for Education 540 is limited.
3. The intern must work under a fully certified supervisor.
4. The supervisor must express a willingness to supervise the work and provide the experiences necessary for the intern.
5. No supervisor may be an intern at the time that he is supervising the work of another intern.

An internship in the supervision of student teachers is available to supervising teachers who have successfully supervised at least one student teacher during the past two years. The program, designed to permit teachers to participate while regularly employed in a school system, carries three hours of credit during the college quarter. Further details of this program may be secured from the Office of Student Teaching.

Expenses per Quarter

It is the purpose of the college to hold expenses to the minimum. The charges for one quarter in Graduate Studies are as follows:

	RESIDENTS OF NORTH CAROLINA	NON-RESIDENTS OF NORTH CAROLINA
Registration	15.00	15.00
Library Fee	3.00	3.00
Tuition	55.00	140.00
Cafeteria Meals (minimum)	75.00	75.00
Room (standard)	52.00	52.00
Room (with private bath)	61.00	61.00
Student Welfare and Activities	19.75	19.75

Laundry and Dry Cleaning (minimum)		
Men	12.00	12.00
Women	9.00	9.00
Student Center	16.00	16.00
Health and Physical Ed. Facilities	3.25	3.25
Special Examinations		
Miller Analogies Test	2.00	2.00
National Teacher Examination	9.00	9.00

The application for admission must be accompanied by an application fee of five dollars, which is not refundable.

Graduate students purchase their textbooks and supplies.

Extension Classes

Based upon requests from the administrators of school systems in northwestern North Carolina, Appalachian offers in-service courses for teachers and other personnel. The course is given at a central place in the school unit which has requested the in-service training. For graduate students who register for extension work, up to nine quarter hours of graduate credit may be counted toward the Master's degree. Extension work applied toward the degree will not reduce the minimum residence requirements of thirty-six weeks, but it can be used to replace the six weeks of additional residence required of students who do not write a thesis. The cost of extension work, including tuition and fees, is \$30.00 for three hours. A student registering at Appalachian for the first time must pay an application fee of \$5.00.

Saturday and Evening Classes

Appalachian also schedules Saturday graduate courses on campus during the fall, winter, and spring quarters. By attending Saturday classes during any one quarter, the graduate student may earn three hours of graduate credit. Six weeks of residence is recognized for six hours of graduate credit for Saturday classes. As much as eighteen quarter hours of credit earned in Saturday classes may be applied toward the Master's degree. The cost of Saturday work, including tuition and fees, is \$30.00 for three quarter hours. Books and supplies cost approximately \$10.00. A student registering for the first time must pay an application fee of \$5.00.

Registration

Graduate students register at the time specified on the college calendar. Initial registration is contingent upon the receipt and approval of transcripts of all work completed in other institutions. Registration material is provided by the office of Graduate Studies. A fee will be charged for late registration. See Special Fees.

Full-Time Resident Student

For full-time resident credit a student must be registered for a minimum of twelve quarter hours (six in summer term) unless he is a graduate teaching fellow or assistant. In no case may a graduate student register for more than fifteen hours a quarter or nine for a summer term.

Auditors

Regular fees are charged for auditing. A student may register as an auditor for a course with the consent of the instructor and the Director of Graduate Studies.

Classes audited shall count as part of the student's load, but he will receive no credit and no grade will be assigned. An auditor is expected to be regular in class attendance but may not participate in class discussions unless he is invited to do so. He is not required to take tests and examinations.

Unclassified Graduate Students

A student doing graduate work but who has not applied for admission to Graduate Studies and who is not working on a definite program of graduate study leading to the Master's degree will not be able later to count such work as fulfilling course requirements for the degree.

Employed Students

Public school teachers employed on a full-time basis may not take more than three quarter hours during any one quarter or a total of nine quarter hours from September 1 to June 1. A full-time college instructor may not take more than three quarter hours during one registration period.

Independent Study

With the approval of the instructor, the department chairman, and the Director of Graduate Studies, a graduate student who has been admitted to candidacy may register for independent study in his major field. Students registered for independent study must be scheduled for regular conference periods at least weekly. As much as six quarter hours of independent study may be applied toward the degree.

Changing Majors

A student who has been approved by one department but who wishes to change to another must have the approval of the Director of Graduate Studies and of the department into which he proposes to transfer before the change may be made.

Student Responsibility

The graduate student is entrusted with the responsibility for his own progress. He keeps an up-to-date record of the courses he has taken in his proposed program and checks periodically with the chairman of his advisory committee. Responsibility for errors in his program or in interpretation of regulations rests entirely with the student.

Library Carrels

Library carrels are available to graduate students who are working on theses and special research projects. Applications for carrels are made on a quarterly basis to the Librarian.

Grades

The college grading system—*A*, *B*, *C*, *D*, *F*, and *I*—is used to report the quality of credit. Graduate credit accepted in fulfillment of the requirements for the Master's degree shall average not lower than *B*, and no credit toward the degree shall be granted for a grade below *C*. A grade of *D* will not qualify credit for certificate renewal in North Carolina. Course work reported "Incomplete" must

be completed within a year of the official ending of the course. A graduate student is permitted to repeat not more than one course in order to improve his grade. A grade of *F* is assigned to a student who arbitrarily discontinues meeting a class or who withdraws without making proper arrangements with the Director of Graduate Studies and the Dean of the College.

Changing Grades

Once an instructor has reported a grade to the Registrar, it cannot be changed except in case of error in reporting or recording. Any change made must also be reported to the Director of Graduate Studies.

Transcripts

Transcripts of graduate work completed at Appalachian should be requested from the Registrar's office.

Suspension and Dismissal

Appalachian reserves the right to exclude at any time a graduate student whose conduct is deemed improper or prejudicial to the best interest of the college.

A graduate student who fails to maintain grades of at least *B* in the courses for which he is registered in any term may not be permitted to re-register as a candidate for the Master's degree. However, a student may petition the Director of Graduate Studies for consideration of extenuating circumstances which may constitute a justifiable exception to this regulation. If the Director of Graduate Studies approves, the student may be permitted to register at his own risk for an additional quarter.

Graduate Advisors

A student working toward the Master of Arts degree should confer with the adviser designated for his particular subject and have his courses and their sequence approved before registering.

<i>Audiovisual</i>	John A. Pritchett, Jr.
<i>Biology</i>	F. Ray Derrick
<i>Business Education</i>	Orus Sutton
<i>Chemistry</i>	W. G. Sink
<i>Counseling</i>	J. Edward Harrill
<i>English</i>	G. P. Eggers
<i>Elementary Education</i>	Lee F. Reynolds
	Isabel Jones
<i>Foreign Languages</i>	J. Roy Prince
<i>Industrial Arts</i>	Howard S. Decker
<i>Junior College</i>	Cratis D. Williams
<i>Library Science</i>	Ila T. Justice
<i>Mathematics</i>	Paul Sanders
<i>Music</i>	William G. Spencer
<i>Physical Education</i>	Marshall L. Walters
<i>Reading Specialist</i>	Uberto Price
<i>School Administration and Supervision</i>	William E. Fulmer
	N. W. Shelton
<i>Social Science</i>	Julian Yoder
<i>Special Education</i>	C. Milton Blue

Graduate Offerings

Courses which have been approved for graduate credit by the Curriculum Committee and by the Graduate Council constitute the graduate offerings. Majors are provided in Audiovisual Education, Biology, Business Education, Chemistry, Counseling, English, Elementary Education, French, Industrial Arts, Junior College Education, Library Science, Mathematics, Music, Physical Education, Secondary Education, School Administration, School Supervision, Special Education, Supervision of Reading, Supervision of Student Teaching, Social Science, Spanish, and Teaching of the Deaf.

Programs of Instruction

If a student elects not to write a thesis, he will with the assistance of his advisory committee select five courses in lieu of the thesis, which may be in education, an academic field, or both, depending on the student's needs.

After 1965 an academic major will be required of the candidate preparing to teach in secondary schools. Twenty-one hours or more of the work of candidates preparing to teach in elementary school will be in academic areas.

Audiovisual Specialist

EDUCATION 500.	Research in Education	3
EDUCATION 490.	Social Foundations of Education	3
or	EDUCATION 491. Philosophical Foundations of Education	
or	EDUCATION 535. Philosophy of Education	
EDUCATION 466.	Instructional Materials	3
EDUCATION 475.	Audiovisual Materials and Techniques	3
EDUCATION 502.	Organization and Administration of the Secondary School	3
EDUCATION 504.	Organization and Administration of the Elementary School	3
EDUCATION 505.	Supervision of Instruction	3
EDUCATION 506.	Curriculum Construction	3
EDUCATION 528.	Production and Care of Audiovisual Materials	3
EDUCATION 532.	Use and Care of Machines and Equipment	3
EDUCATION 537.	Organization and Administration of an Audiovisual Program	3
EDUCATION 549.	School Building Planning	3
Approved courses related to audiovisual education or an academic minor		18

School Administrators

Prerequisites: North Carolina A certificate or its equivalent from another state; a minimum of three years of successful teaching experience.

EDUCATION 500.	Research in Education	3
EDUCATION 490.	Social Foundations of Education	3
EDUCATION 491.	Philosophical Foundations of Education	3
or	EDUCATION 535. Philosophy of Education	
EDUCATION 501.	Public School Administration	3
EDUCATION 502.	Organization and Administration of the Secondary School	3
EDUCATION 504.	Organization and Administration of the Elementary School	3
EDUCATION 505.	Supervision of Instruction	3
EDUCATION 506.	Curriculum Construction	3
EDUCATION 540.	Internship in School Administration	6
or	EDUCATION 525. Problems in Public School Administration	
Related discipline		9

Courses to be selected in conference with the student's adviser for the purpose of gaining competence in academic areas related to educational administration.

Electives

Courses to be selected in conference with student's adviser for the purpose of gaining competence in academic or professional areas related to education administration.

General Supervisor

EDUCATION 500.	Research in Education (Elementary Major)	3
EDUCATION 502.	Organization and Administration of the Secondary School	3
or	EDUCATION 504. Organization and Administration of the Elementary School	
EDUCATION 505.	Supervision of Instruction	3
EDUCATION 506.	Curriculum Construction	3
EDUCATION 517.	School Supervision	3

PSYCHOLOGY 500. Psychology of the Child	3
or PSYCHOLOGY 501. Psychology of Early Adolescence	
PSYCHOLOGY 455. Psychology of Learning	3
LIBRARY SCIENCE 467. Correlating Teaching with the Library	3
Academic major including academic research (Secondary Major)	33
Academic concentration (Elementary Major)	21
Electives	0-9

Supervisor of Student Teaching

A supervisor must qualify for graduate certification as either an elementary or secondary teacher. The program must include Education 505, 515, and 516.

EDUCATION 500. Research in Education (Elementary Major)	3
EDUCATION 505. Supervision of Instruction	3
EDUCATION 506. Curriculum Construction	3
EDUCATION 456. Measurement and Assessment	3
or EDUCATION 514. Use and Interpretation of Group Tests	
EDUCATION 515. Organizing and Planning Student Teaching	3
EDUCATION 516. Supervision of Student Teaching	3
or EDUCATION 541. Internship in Supervision of Student Teaching	
PSYCHOLOGY 455. Psychology of Learning	3
Academic major including academic research (Secondary Major)	36
Academic concentration (Elementary Major)	21
Electives	0-12

Librarian

Prerequisite: A minimum of 27 hours in Library Science.

EDUCATION 500. Research in Education	3
EDUCATION 466. Instructional Materials	3
or EDUCATION 475. Audiovisual Materials and Techniques	
EDUCATION 490. Social Foundations of Education	3
or EDUCATION 491. Philosophical Foundations of Education	
or EDUCATION 535. Philosophy of Education	
EDUCATION 506. Curriculum Construction	3
PSYCHOLOGY 455. Psychology of Learning	3
or PSYCHOLOGY 500. Psychology of the Child	
or PSYCHOLOGY 501. Psychology of Early Adolescence	
LIBRARY SCIENCE 450. Organization and Administration of Non-Book Library Materials	3
LIBRARY SCIENCE 451. Advanced Book Selection	3
LIBRARY SCIENCE 452. Advanced Book Selection	3
LIBRARY SCIENCE 453. Literature for Children	3
LIBRARY SCIENCE 454. Literature for Young People	3
LIBRARY SCIENCE 500. Use of Materials with Students and Teachers	3
LIBRARY SCIENCE 501. Library Problems	3
LIBRARY SCIENCE 503. Reading Interests and Guidance	3
Library Science electives—With thesis	0
—Without thesis	12
ELECTIVES	0-3

Elementary School Teacher

EDUCATION 500. Research in Education	3
EDUCATION 471. Elementary School Curriculum	3
or EDUCATION 506. Curriculum Construction	
EDUCATION 490. Social Foundations of Education	3
or EDUCATION 491. Philosophical Foundations of Education	
EDUCATION 456. Measurement and Assessment	3
or EDUCATION 514. Use and Interpretation of Group Tests	
EDUCATION 511. Investigations in Reading	3
EDUCATION 513. Teaching and Supervision of the Language Arts	
in the Elementary School	
PSYCHOLOGY 455. Psychology of Learning	3
or PSYCHOLOGY 500. Psychology of the Child	
LIBRARY SCIENCE 467. Correlating Teaching with the Library	3
MATHEMATICS 459. Foundations of Arithmetic	3
Electives in academic fields	18
Electives	9
At least 9 hours of academic work must be in a single field.	

Secondary School Teacher

EDUCATION 506. Curriculum Construction	3
EDUCATION 456. Measurement and Assessment	3
or EDUCATION 514. Use and Interpretation of Group Tests	

EDUCATION 490.	Social Foundations of Education	3
or	EDUCATION 491. Philosophical Foundations of Education	
or	EDUCATION 535. Philosophy of Education	
PSYCHOLOGY 455.	Psychology of Learning	3
or	PSYCHOLOGY 501. Psychology of Early Adolescence	
Academic major	including academic research—With thesis (6)	33
	—Without thesis	36
Electives		0-6
For required courses in teaching fields, consult Courses of Instruction.		

Music Teacher and Music Supervisor

Prerequisite: A certificate in music or the equivalent.

EDUCATION 490.	Social Foundations of Education	3
or	EDUCATION 491. Philosophical Foundations of Education	
or	EDUCATION 535. Philosophy of Education	
EDUCATION 456.	Measurement and Assessment	3
EDUCATION 506.	Curriculum Construction	3
EDUCATION 529.	Organization and Supervision of School Music	3
PSYCHOLOGY 455.	Psychology of Learning	3
MUSIC 500.	Bibliography and Research	3
MUSIC 501.	Music of Baroque and Classical Periods	3
MUSIC 502.	Music of Romantic Period	3
MUSIC 503.	Music of the Twentieth Century	3
MUSIC 505.	Advanced Conducting	3
MUSIC 531.	Seminar in Music	3
Music electives—	With thesis (6)	6
	—Without thesis	21

School Counselor

Prerequisite: An A certificate; meet screening requirements.

EDUCATION 500.	Research in Education	3
EDUCATION 478.	Principles of Guidance	3
EDUCATION 491.	Philosophical Foundations of Education	3
or	EDUCATION 535. Philosophy of Education	
EDUCATION 506.	Curriculum Construction	3
EDUCATION 514.	Use and Interpretation of Group Tests	3
EDUCATION 520.	Occupational and Educational Information	3
EDUCATION 522.	Techniques of Counseling	3
EDUCATION 523.	Organization and Administration of Guidance Services	3
EDUCATION 538.	Practicum in Counseling	6-9
PSYCHOLOGY 450.	Psychology of Personality	3
PSYCHOLOGY 519.	Analysis of the Individual	3
PSYCHOLOGY 526 or 527.	Use and Interpretation of Individual Tests	3
PSYCHOLOGY 455.	Psychology of Learning	3
Electives in social science		9-12

Junior College Teacher

EDUCATION 542.	Instruction Program of the Two-Year College	3
EDUCATION 544.	Seminar on the Two-Year College	3
or	EDUCATION 545. Practicum in Junior College Teaching	
ACADEMIC 500.	Bibliography and Research	3
Academic major—	With thesis (6)	33
	—Without thesis	33
Electives		3-12

Reading Specialization

A graduate student who plans to pursue the curriculum for the Reading Specialist in Elementary or Secondary Schools must have had basic preparation in the foundation of reading instruction and reading in the elementary or secondary school.

Reading Specialist in the Elementary School

EDUCATION 500.	Research in Education	3
EDUCATION 490.	Social Foundations of Education	
EDUCATION 491.	or Philosophical Foundations of Education	3
EDUCATION 456.	Measurement and Assessment	3
or	EDUCATION 514. Use and Interpretation of Group Tests	
or	PSYCHOLOGY 526 or 527. Use and Interpretation of Individual Tests	
EDUCATION 506.	Curriculum Construction	3
or	EDUCATION 471. Elementary School Curriculum	
PSYCHOLOGY 455.	Psychology of Learning	3
or	PSYCHOLOGY 500. Psychology of the Child	
EDUCATION 561.	Curriculum and Evaluation in Reading	3
EDUCATION 472-473.	Diagnostic and Remedial Reading	6
EDUCATION 508.	Reading Problems	3

Nine hours from among:

EDUCATION 477. Teaching of Reading	3
EDUCATION 508. Problems in Reading	3
EDUCATION 511. Investigations in Reading	3
EDUCATION 548. Independent Study	3
EDUCATION 551. Field Experience in Teaching Reading	3-9
Academic concentration, including MATHEMATICS 459. Foundations of Arithmetic	18

Reading Specialist in the Secondary School

EDUCATION 490. Social Foundations of Education	3
or EDUCATION 491. Philosophical Foundations of Education	
or EDUCATION 535. Philosophy of Education	
EDUCATION 506. Curriculum Construction	3
PSYCHOLOGY 455. Psychology of Learning	3
or PSYCHOLOGY 501. Psychology of Early Adolescence	
EDUCATION 561. Curriculum and Evaluation in Reading	3
EDUCATION 462. Reading in High School	3
EDUCATION 472. Diagnostic and Remedial Reading	3
Nine hours from among:	
EDUCATION 473. Diagnostic and Remedial Reading	3
EDUCATION 477. Teaching of Reading	3
EDUCATION 508. Problems in Reading	3
EDUCATION 511. Investigations in Reading	3
EDUCATION 548. Independent Study	3
EDUCATION 551. Field Experience in Teaching Reading	3-9
Academic major, including academic research	27

Special Education

Prerequisite: Education 320.

EDUCATION 500. Research in Education	3
EDUCATION 506. Curriculum Construction	3
EDUCATION 451. Educable, Mentally Retarded	3
EDUCATION 452. Trainable Mentally Retarded	3
EDUCATION 454. Curriculum for the Mentally Retarded	3
EDUCATION 456. Measurement and Assessment	3
EDUCATION 509. Reading for the Slow Learner	3
EDUCATION 519. Education for the Physically Handicapped	3
EDUCATION 572. Internship in Special Education	9-15
PSYCHOLOGY 460. Psychology of the Handicapped	3
INDUSTRIAL ARTS 458. Crafts for the Handicapped	3
PHYSICAL EDUCATION 450. Adapted Physical Education and Recreation	3
SPEECH 460. Speech Problems of Exceptional Children	3
Electives	3-9
EDUCATION 534. Statistical Methods	3
EDUCATION 521. Vocational Planning for the Handicapped	3
EDUCATION 527. Organization and Administration of Special Education	3
EDUCATION 530. Education of the Gifted	3
EDUCATION 570. Reading and Research in Special Education	3
PSYCHOLOGY 450. Psychology of Personality	3
PSYCHOLOGY 500. Psychology of the Child	3
or PSYCHOLOGY 501. Psychology of Early Adolescence	
PSYCHOLOGY 510. Psychology of the Gifted	3
PSYCHOLOGY 512. Psychology of the Emotionally and Socially Maladjusted	3
PSYCHOLOGY 526 or 527. Use and Interpretation of Individual Tests	3
PSYCHOLOGY 455. Psychology of Learning	3
PSYCHOLOGY 530. Theories of Personality	3
PSYCHOLOGY 532. Evaluation of Exceptional Children	3

Teachers of the Deaf

The program for the preparation of teachers of the deaf is a four quarter program of sixty quarter hours offered in affiliation with the North Carolina School for the Deaf. Prerequisites or co-requisites of the program are Education 320, and a course in Mental Hygiene.

EDUCATION 500. Research in Education	3
EDUCATION 506. Curriculum Construction	3
EDUCATION 456. Measurement and Assessment	3
EDUCATION 507. Education of the Acoustically Handicapped	3
EDUCATION 480. Auditory Training for the Acoustically Handicapped	3
EDUCATION 481. Teaching Speech Reading to the Deaf	3
EDUCATION 482. Teaching Language to the Deaf	3
EDUCATION 483. Teaching Speech to the Deaf	3

EDUCATION 485. Teaching Elementary School Subjects to the Deaf	3
EDUCATION 572. Internship in Special Education	15
PSYCHOLOGY 460. Psychology of the Handicapped	3
PSYCHOLOGY 500. Psychology of the Child	3
or PSYCHOLOGY 501. Psychology of Early Adolescence	3
PSYCHOLOGY 532. Evaluation of Exceptional Children	3
BIOLOGY 475. Anatomy and Physiology of the Ear and Voice Mechanism	3
SPEECH 450. Speech Pathology or Speech 460	3
SPEECH 453. Audiometric Testing	3

COURSES OF INSTRUCTION

Courses are listed in alphabetical order by departments. Courses numbered 100 to 199 inclusive are normally offered for freshmen; 200 to 299 for sophomores; 300 to 399 for juniors; 400 to 449 for seniors; 450 to 499 for seniors and graduates; 500 and above for graduates. Courses open to lower classes are also open to upper classes.

The figure in brackets preceding a course title indicates the course number used in the catalog of 1963-64.

The figure in parentheses after the course title tells the credit in quarter hours; for example the figure (2) means three quarter hours.

Quarters of the year in which the course is offered are represented by symbols: "F" for fall quarter, "W" for winter quarter, "S" for spring quarter, "SS" for summer session, "Ex" for extension.

A hyphen in the course number, credit, and quarters of the year in which the course is offered indicates that the course extends through two or more quarters and that the preceding quarter must be completed before the following quarter can be taken.

The comma in the course number, credit, and quarters indicates that the course is continuous but that one quarter may be taken independently of another.

The semicolon in the credit and quarter indicates that the course is a one quarter course and is repeated in a subsequent quarter.

Special requirements for admission to a course are stated after the word *prerequisite*.

The administration reserves the right to withdraw courses for which there is insufficient enrollment.

DEPARTMENT OF ART

CLARENCE BUNCH, *Chairman*, J. RYAN, C. SMITH, T. SPENCE.

A major in art leading to the Bachelor of Arts degree consists of sixty quarter hours, including 101, 102, 103, 104, 208-209-210, 301, 302, 303, 305, 307, 308-309, 311, 450, and 12-14 quarter hours in approved art electives. A student is required to take the Aptitude Test and the Advanced Test, if available, of the Graduate Record Examination.

A minor in art consists of twenty-four quarter hours, including 101, 102, 103, 208-209-210, and six quarter hours in approved art electives.

A major in art leading to the Bachelor of Science degree and teacher certification consists of sixty quarter hours, including 101, 102, 103, 104, 202, 208-209-210, 301, 302, 303, 305, 307, 308-309, 311, 415, Education 475, and at least six hours from crafts. A student is required to take the Common Examinations and the Art Examination of the National Teacher Examinations.

Curriculum in Art Leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year	Hours	Sophomore Year	Hours
Art 101, 102, 103	9	Art 104	3
Biology 101-102-103	9	Art 208-209-210	9
Education 100	1	English 201, 202, 203	9
English 101-102-103	9	History 201-202	6
History 101, 102, 103	9	Physics 201-202-203	12
Mathematics 101-102-103	11	Physical Education	3
Physical Education	3	Psychology 201	3
	---	Speech 101	3
	51	Social Science elective	3

Junior Year	Hours	Senior Year	Hours
Art 202	3	Art 308-309	6
Art 204, 205, 206, or 207	6	Art 311	3
Art 301, 302, 303	9	Art 415	3
Art 305	3	Education 404	15
Art 307	3	Education 475	3
Education 301-302	6	Social Science elective	3
Psychology 301-302-303	9	Electives	12
Humanities electives	6		—
Electives	3		45
48			

The freshman and sophomore years of the curriculum in art leading to the Bachelor of Arts degree are similar to the first two years of the Bachelor of Science curriculum above. The junior and senior years will be devoted to completing major and minor requirements, foreign language requirements, and approved electives.

Courses of Instruction in Art

101. DRAWING (3) . F.
Fundamentals of visual form and structure through the use of line. Free-hand sketching. Laboratory six hours.
102. DRAWING (3) . W.
Linear perspective, lines, planes, solids, shadows, life drawing and structure, lettering. Laboratory six hours.
103. DRAWING AND COMPOSITION (3) . S.
Designed to acquaint the student with the nature of creative experiences in two dimensional expression using life drawing, still life, landscape, abstract design and form. Several media are used. Laboratory six hours.
104. DESIGN (3) . F.
Fundamentals of design; emphasis on two and three dimensional design; composition in line, color, shape, space, motion, texture in the visual arts. Lecture one hour, laboratory four hours.
201. FUNDAMENTALS OF ART (3) . F;W;S.
The principles of art structure employing drawing, lettering, composition, color, and design in different projects. Study of perspective, color theory and harmony. Discussion and laboratory six hours. Not open to art majors.
202. ART IN THE ELEMENTARY SCHOOL (3) . F;W;S.
Design, drawing, simple shading, mass arrangements; designing and modeling simple forms in paper, cardboard, cloth, wire, clay, papier-mache, wood; the use of tools suitable for the grade level; integration of art with other school subjects. Consideration of art curriculum and philosophy of art education in the elementary school. Emphasis upon creative development in the child. Prerequisite: 201. Discussion and laboratory six hours.
204. LEATHER (3) . F.
Basic processes and techniques involved in working with leather. Development of course materials suitable for use in a general shop. Lecture one hour, laboratory five hours.
205. CERAMICS (3) . F;S.
Basic processes and techniques involved in working with ceramics. Develop-

ment of course materials suitable for use in a general shop. Lecture one hour, laboratory five hours.

206. ART METAL (3). W.
Basic processes and techniques involved in working with art metal. Development of course materials suitable for use in a general shop. Lecture one hour, laboratory five hours.
207. JEWELRY (3). F.
Basic processes and techniques involved in working with jewelry. Development of course materials suitable for use in a general shop. Lecture one hour, laboratory five hours.
- 208-209-210. PAINTING (3-3-3). F-W-S.
Foundation course in technical handling of the media of water color, tempera, gouache, pastel, pencil, pen and ink, charcoal, oil; still life and landscape. Laboratory six hours.
217. INTRODUCTION TO ART (3). F;W;S.
Analysis of selected examples of architecture, sculpture, painting, crafts, industrial designs in relation to their historical time and need. Lecture three hours. Not open to art majors.
301. ANCIENT AND MEDIEVAL ART (3). F.
A survey of architecture, painting, and sculpture from prehistoric time through medieval Europe.
302. RENAISSANCE ART (3). W.
A study of architecture, painting, and sculpture from the fourteenth through the eighteenth centuries.
303. MODERN ART (3). S.
A study of architecture, painting, and sculpture in nineteenth and twentieth centuries, including Realism, Impressionism, Expressionism, Cubism, abstract art.
305. ADVANCED DESIGN (3). S.
Emphasis upon color theory and use of color in design.
307. LIFE DRAWING AND PAINTING (3). W.
Structure and action of the human figure. Laboratory six hours.
- 308-309. PAINTING (3-3). F-S.
Advanced problems in painting, individual experimentation and expression. Laboratory six hours.
311. SCULPTURE (3). S.
Introductory problems; techniques of modeling, casting, and elementary carving in a variety of materials. Laboratory six hours.
313. GRAPHICS (3). W.
Technical processes of silk screen, wood and linoleum, block printing, surface prints. Laboratory six hours.
314. GRAPHICS (3). S.
Technical processes of dry point, etching, aquatint. Laboratory six hours.
317. WEAVING (3). F;W;S.
An introduction to weaving, using various types of looms; emphasis is placed on creativity, use of inexpensive materials and easily constructed weaving devices. Each student will pay for the actual materials used, and all articles made by the students become their property. Laboratory six hours.

324. LEATHER (3) . F.
Advanced techniques in leather craft with emphasis upon design and skill. Methods of organizing and teaching problems. Development of course material suitable for a unit shop. Lecture one hour, laboratory five hours.
325. CERAMICS (3) . F;S.
Advanced techniques in ceramics with emphasis upon design and skill. Methods of organizing and teaching problems. Development of course material suitable for a unit shop. Lecture one hour, laboratory five hours.
326. ART METAL (3) . W.
Advanced techniques in art metal with emphasis upon design and skills. Methods of organizing and teaching problems. Development of course material suitable for a unit shop. Lecture one hour, laboratory five hours.
327. JEWELRY (3) . F.
Advanced techniques in jewelry and emphasis upon design and skill. Methods of organizing and teaching problems. Development of course material suitable for a unit shop. Lecture one hour, laboratory five hours.
400. INTERIOR DESIGN (3) . W.
Architectural styles, planning, building materials as related to residential structures. Lecture one hour, laboratory five hours.
407. ADVANCED PAINTING (3) . F;W;S.
411. WEAVING (3) . S.
Assembling a loom; making warps and threading looms, reading and writing drafts; creating and constructing fabric designs through various weaving techniques and yarn combinations; samples and finished pieces. Each student will pay for the actual materials used, and all articles made by the students become their property. Laboratory six hours.
415. ART IN THE SECONDARY SCHOOL (3) . F.
Exploration into the functional use of a variety of art materials, techniques, curriculum construction considering the level of the student's creative development in relation to his needs, interests, maturity; the philosophy and psychology of art education.
450. PROBLEMS IN ART (1 to 3) . F;W;S.
Individual problems or projects. Admission upon approval of chairman.
453. ART EDUCATION WORKSHOP (3) . SS;Ex.
An intensive two-week course devoted to art instruction in grades one through twelve, including the correlation of art with teaching at all levels. Art materials and supplies for grade levels will be examined. Each student will pay for materials used, and all articles made by him becomes his property.

DEPARTMENT OF BIOLOGY

F. R. DERRICK, *Chairman*, I. W. CARPENTER, JR., HOWARD GREER, M. B. MOREHEAD, J. F. RANDALL, KENT ROBINSON, T. VERGEER.

The objectives of the Department of Biology are to provide a cultural background in the life sciences as a part of every student's general education; to prepare students to teach biology; to meet admission requirements of professional schools; to prepare professional biologists; to provide courses in biology for teacher certification in other areas such as home economics, physical education, science.

A major in biology leading to the Bachelor of Arts degree consists of thirty-

six quarter hours above 100 courses, including 201-202-203, 204-205-206, 308, 309, 454, 455 and six quarter hours in approved electives. A student is required to take the Aptitude Test and the Advanced Test of the Graduate Record Examination.

A minor in biology consists of eighteen quarter hours above 100 courses, including 201-202, 204-205, and six quarter hours in approved electives.

A major in biology leading to the Bachelor of Science degree and teacher certification consists of forty-eight quarter hours above the 100 course level, including 201-202-203, 204-205-206, 301, 307, 308, 309, 454, 455 and Physics 201-202-203. A student is required to take the Common Examinations and the Biology Examination of the National Teacher Examinations.

Curriculum in Biology leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year	Hours	Sophomore Year	Hours
Biology 104-105-106	12	Biology 201-202-203	9
Education 100	1	Biology 204-205-206	9
English 101-102-103	9	Chemistry 101-102-103	
History 101, 102, 103	9	or 104-105-106	12-13
Mathematics 101-102-108		English 201, 202, 203	9
or 107-108	11-10	History 201, 202	6
Physical Education	3	Physical Education	3
Speech 101	3	Psychology 201	3
	48-47		51-52
Junior Year	Hours	Senior Year	Hours
Biology 301, 307, 308, 309	12	Biology 454, 455	6
Education 301-302	6	Education 407	15
Education 409 or elective	3	Education 409 or elective	3
Humanities elective	3	Humanities elective	3
Physics 201-202-203		Social Science electives	6
or 204-205-206	12-15	Electives	12
Psychology 304-305-306	9		
Electives	6		45
	51-54		

For the Curriculum in Science leading to the Bachelor of Science degree and teacher certification, see page 157.

The freshman and sophomore years of the curriculum in biology leading to the Bachelor of Arts degree are similar to the first two years of the Bachelor of Science curriculum above. The junior and senior years will be devoted to completing major and minor requirements, foreign language requirements, and approved electives.

Courses of Instruction in Biology

101-102-103. INTRODUCTION TO LIFE SCIENCE

(3-3-3) . F-W-S.

A survey of living organisms and their relationship to each other and to their environment. Study of topics from morphology, physiology, embryology, and genetics with particular reference to man and healthful living. Required of all students who do not take Biology 104-105-106 and who definitely do not plan to take higher courses in biology. Lecture two hours, laboratory two hours.

- 104-105-106 [101-102-103]. **GENERAL BIOLOGY** (4-4-4). F-W-S.
A foundation course in biology. Principles and theories; morphology and physiology, genetics, embryology, and conservation. Lecture three hours, laboratory two hours. Required of biology majors.
- 201-202-203. **ZOOLOGY** (3-3-3). F-W-S.
A study of the basic principles of zoology: reproduction and development, genetics, ecology, evolution, morphology and physiology; a survey of both invertebrates and vertebrates. Prerequisite: 104-105-106. Lecture two hours, laboratory two hours.
- 204-205-206. **BOTANY** (3-3-3). F-W-S.
Anatomy and physiology of spermatophytes; taxonomy and morphology of cryptogams; taxonomy of phanerogams. Prerequisite: 104-105-106. Lecture two hours, laboratory two hours.
301. **INTRODUCTORY ANIMAL PHYSIOLOGY** (3). W.
Fundamental principles of animal physiology. Prerequisite: 104-105-106 and Chemistry 101-102-103. Lecture two hours, laboratory two hours.
307. [207]. **VERTEBRATE ANATOMY** (3). W.
A comparative study of the origin, evolution, and present condition of the vertebrate structures. Prerequisite: 201-202-203. Lecture two hours, laboratory two hours.
- 308 [208]. **BACTERIOLOGY** (3). F;S;SS.
A study of the morphology and physiology of bacteria and their relation to man. Prerequisite: 104-105-106 and Chemistry 101-102-103. Lecture two hours, laboratory two hours.
- 309 [209]. **EMBRYOLOGY** (3). S.
Gametogenesis, fertilization, and structural development of the vertebrate embryo. Prerequisite: 104-105-106. Lecture two hours, laboratory two hours.
- 415 [401]. **PROBLEMS AND PROJECTS IN BIOLOGY** (3). F;W;S.
Individual problems or projects carried on by superior students under the supervision of the biology staff. Prerequisite: Special permission.

Senior-Graduate Courses

450. **NATURE STUDY** (3). SS.
Observation of common plants and animals, methods of collecting, organizing, and presenting nature study materials in the grades. Offered 1966 SS.
451. **ORNITHOLOGY** (3). S;SS.
An introduction to the anatomy, physiology, behavior, ecology and identification of birds. Lecture two hours, laboratory two hours. Offered 1966 SS.
452. **MICROTECHNIQUE** (3). F;SS.
Technical methods used in preparing materials for microscopic study; practical training in preparation of permanent slides of small organisms and tissue of higher organisms. Lecture two hours, laboratory four hours. Offered 1966 SS.
453. **HISTOLOGY** (3). W;SS.
Microscopic anatomy of the vertebrate body, including a study of the principal tissues and organs. Prerequisite: Senior standing and 24 quarter hours of undergraduate biology. Lecture two hours, laboratory two hours. Offered 1967 SS.
454. **GENETICS** (3). F;S;SS.
A study of principles of variation and heredity governing plants and animals, with special reference to man. Prerequisite: 104-105-106.

455. **PLANT PHYSIOLOGY** (3) . W;S;SS.
A study of the basic principles of plant physiology and fundamental processes such as cell properties, water relations, growth, photosynthesis, respiration, and mineral nutrition. Prerequisite: 204-205-206 and Chemistry 101-102-103. Lecture two hours, laboratory two hours.
460. **PALEONTOLOGY** (3) . SS.
A study of the classification, morphology, and distribution of fossils with reference to geological time. Special attention is given to invertebrate index fossils. Same as Geology 460. Offered 1967 SS.
475. **ANATOMY AND PHYSIOLOGY OF THE EAR AND VOICE MECHANISM** (3) . F;SS.
A study of the principles of sound and the anatomy and physiology of the organs and tissues involved in speech and hearing. Lectures, demonstrations, and laboratory.

Graduate Courses

A major in biology for the Master's degree consists of a minimum of thirty-six quarter hours. Required courses include Biology 454, 455, 500, 501, 503, 505 or 506, 514.

500. **BIBLIOGRAPHY AND RESEARCH** (3) . F;SS.
A study of bibliographical problems, types of research, the literature and methods of scientific writing. Required in the first quarter of beginning graduate student.
501. **ANIMAL ECOLOGY** (3) . F;SS.
A study of the ecological principles, relationships, habitats, and economic importance of animals. Lecture two hours, field work two hours.
502. **FRESH WATER BIOLOGY** (3) . SS.
A study of the physical, chemical, and biological factors affecting productivity in lakes, ponds, and streams. Largely a field course dealing with various approved methods of studying the fresh waters of North Carolina. Lecture two hours, field work two hours. Offered 1966 SS.
503. **BACTERIOLOGY OF WATER, MILK, FOOD, AND SEWAGE** (3) . W;SS.
Laboratory and field methods dealing with the sanitary aspects of foods and food handling; sources and kinds of bacteria in milk; water and sewage with their sanitary significance. Lecture two hours, laboratory two hours. Offered 1966 SS.
504. **TAXONOMY OF VASCULAR PLANTS** (3) . SS.
A study of the gross structure, reproduction, and development of the spermatophytes. Special emphasis is placed upon the classification and nomenclature of the spermatophytes. Lecture two hours, field work two hours. Offered 1967 SS.
505. **ANIMAL PHYSIOLOGY I** (3) . W;SS.
Physiology of the sensory, nervous, muscular and circulatory systems; laboratory experiments, reports and readings. Lecture two hours, laboratory two hours. Offered 1967 SS.
506. **ANIMAL PHYSIOLOGY II** (3) . S;SS.
Physiology of respiration, alimentation, excretion, reproduction and hormone coordination. Lecture two hours, laboratory two hours. Offered 1967 SS.
508. **BIOLOGY IN THE HIGH SCHOOL** (3) . F;SS.
A review of topics covered in high school biology with emphasis upon recent advancements in these fields and upon methods and materials. Offered 1965 F and 1967 SS.

509. EVOLUTION (3) . S;SS.
Evidences of organic evolution will be considered and evaluated from the paleontological, morphological, and physiological standpoints. Offered in 1966 S and 1967 SS.
510. ENTOMOLOGY (3) . SS.
A study of injurious and beneficial insects, their classification, life histories, distribution, and influence upon man. Methods of collecting and preserving insects; each student is required to prepare a representative collection. Lecture two hours, laboratory two hours. Offered 1966 SS.
511. FIELD BIOLOGY (6) . SS.
A concentrated co—urse in field botany and field zoology. The course will consist of a three-week unit in field botany and a three-week unit in field zoology. Each unit will be taught for two three-week periods and the participants will be divided so that there will not be over twenty-five per class. The course is in conjunction with the National Science Foundation Institute only. Registration will be limited.
512. LOCAL FLORA (3) . SS.
A course designed specifically for elementary school teachers. A study of the common flora and economic plants of North Carolina including the collection, common name identification, and methods of preservation. Lecture two hours, laboratory and field work two hours.
514. PLANT ANATOMY AND MORPHOLOGY (3) . S;SS.
A general survey of the external and internal structure of plants; detailed study of anatomy and morphology of representative plants from all the divisions. Lecture two hours, laboratory two hours. Offered 1966 SS.
- 515 [500]. PLANT ECOLOGY (3) . SS.
A study of units of vegetation and plant succession; factors of the habitat; soils and climate; taxonomy of local flora and preparation of the herbarium material. Lecture, laboratory, and field work five hours. Offered 1966 SS.
517. PARASITOLOGY (3) . W;SS.
A survey of protozoan, helminthic and arthropod parasites with emphasis on causation and prevention of disease. Lecture two hours, laboratory two hours. Offered 1966 SS.
- 520 [506]. BIOLOGICAL PROBLEMS (3) . F;W;S;SS.
Graduate students with an approved subject of investigation may register for this course. The work will be subject to their individual needs.
- 530 [507]. SEMINAR (3) . S;SS.
Lectures, readings, and discussions dealing with biological principles and theories. Offered 1966 S and 1967 SS.
535. HISTORY OF BIOLOGY (3) . S;SS.
A survey of the history of biology with special emphasis upon experiments which have led to the discovery of the more important biological principles and concepts.
550. MASTER OF ARTS THESIS (6) . F;W;S.

GENERAL SCIENCE

401. METHODS OF ELEMENTARY SCHOOL SCIENCE (3) . F;W;S.
A survey of scientific principles and concepts suitable for the elementary grades. Emphasis is placed upon the construction of units for the various grade levels, methods of teaching these units, related demonstration and

experiments, and the correlation of the science units with other instructional areas.

450. SCIENCE IN THE ELEMENTARY SCHOOL (3). SS; Ex.
A course designed for teachers with limited science background. Basic concepts, use of simple materials for demonstrations, and the problem solving approach will be stressed. Lecture and demonstrations three hours. Available as a workshop.

DEPARTMENT OF CHEMISTRY AND PHYSICAL SCIENCE

W. G. SINK, *Chairman*, G. ATWOOD, B. CULLIVAN, MAY E. DENTON, J. E. JOHNSON, G. B. MILES, L. PIKE.

The objectives of the Department of Chemistry are:

1. To prepare students adequately to teach chemistry at the high school and junior college level.
2. To prepare students for continuing their study of chemistry at the graduate level.
3. To prepare chemistry graduates for careers in industry and scientific research.
4. To provide supporting and/or enriching courses in other areas.

A major in chemistry leading to the Bachelor of Arts degree consists of forty-nine quarter hours above General Chemistry, including 106, 201-202-203, 301-302-303, 401, 402, 404, 450, 452, 457 or 458 or 459. A student is required to take the Aptitude Test and the Advanced Test of the Graduate Record Examination.

A minor in chemistry consists of twenty-one quarter hours above General Chemistry, including 106 and sixteen quarter hours in approved electives.

A major in chemistry leading to the Bachelor of Science degree and teacher certification consists of a minimum of forty-five or forty-nine quarter hours in chemistry, including 101-102-103, 106, or 104-105, 106, and 201-202-203, 301-302-303, 401, 402, and Mathematics 211-212-213. A student is required to take the Common Examinations and the Chemistry Examination of the National Teacher Examinations.

Curriculum in Chemistry Leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year	Hours	Sophomore Year	Hours
Chemistry 101-102-103 or 104-105-106	12-13	Chemistry 201-202-203	12
Education 100	1	English 201, 202, 203	9
English 101-102-103	9	Mathematics 211-212-213	15
History 101, 102, 103	9	Physics 201-202-203 or 204-205-206	12-15
Mathematics 101-102 or 107, and 108	10-11	Physical Education	3
Physical Education	3		51-54
Psychology 201	3		
Speech 101	3		
	50-52		

Junior Year	Hours	Senior Year	Hours
Biology 104-105-106	12	Chemistry 401, 402	8
Chemistry 301-302-303	12	Education 407	15
Education 301-302	6	Education 409 or elective	3
Education 409 or elective	3	German 104-105-106	
German 101-102-103		or electives	9
or 104-105-106	9	History 201, 202	6
Psychology 304-305-306	9	Humanities elective	3
	—	Social Science electives	6
	51	Elective	3
			—
			53

For the curriculum in science leading to the Bachelor of Science degree and teacher certification, see page 157.

The freshman and sophomore years of the curriculum in science leading to the Bachelor of Arts degree are similar to the first two years of the Bachelor of Science curriculum above. The junior and senior years will be devoted to completing major and minor requirements, foreign language requirements, and approved electives.

Courses of Instruction in Chemistry and Physical Science

Physical Science 101-102-103. MAN AND HIS PHYSICAL ENVIRONMENT (3-3-3). F-W-S.

An integrated perspective of the physical sciences, study of selected topics such as systems of measurement, the expanding universe, structure of the earth, kinetic molecular theory of matter, energy (types, transformations, utilization), properties of elements and compounds, structure and utilization of atoms. The role of science in the development of civilization. Required of all students who do not take a year course in chemistry or physics. Lecture two hours, laboratory two hours.

101-102-103. GENERAL CHEMISTRY (4-4-4). F-W-S.

Basic principles of chemistry; structure and behavior of atoms; classification and properties of the elements. Lecture three hours, laboratory three hours.

104-105. GENERAL CHEMISTRY (4-4). F-W.

Advanced treatment of basic principles with emphasis on modern atomic theory. Open to chemistry majors who show adequate prior training in chemistry. Lecture three hours, laboratory three hours.

106. QUALITATIVE INORGANIC ANALYSIS (5). F;S.

General principles involved in separation and identification of the more common cations and anions. Laboratory practice in identifying the ions in a variety of unknowns. Prerequisite: 101-102-103 or 104-105. Lecture three hours, laboratory six hours.

111-112-113. APPLIED CHEMISTRY (4-4-4). F-W-S.

A study of fundamental principles such as structure of matter, solutions of electrolytes, metals and non-metals, colloidal state; nomenclature and basic functional groups of organic chemistry; food metabolism, vitamins and hormones, composition and functions of body fluids, drugs and antibiotics. Credit only for majors in Home Economics. Lecture three hours, laboratory two hours.

201-202-203. ORGANIC CHEMISTRY (4-4-4). F-W-S.

Chemistry of aliphatic, alicyclic, aromatic and heterocyclic organic compounds. Laboratory practice in class reactions; synthesis of typical organic

compounds. Prerequisite: 101-102-103 or 104-105, 106. Lecture three hours, laboratory three hours.

301-302-303. PHYSICAL CHEMISTRY

(4-4-4). F-W-S.

Mathematical treatment of theories underlying the properties and relationships of solids, liquids, gases and solutions of these, including gas behaviors, thermochemistry, thermodynamics, chemical kinetics, photochemistry, electrochemistry, and radiochemistry. Prerequisite: Mathematics 211-212-213, and Physics 201-202-203 or 204-205-206. Lecture three hours, laboratory three hours.

401. VOLUMETRIC QUANTITATIVE ANALYSIS

(4). F.

Methods of quantitative analysis based on stoichiometry, including classical titrations; modern electrometric and photometric methods, applied to unknowns. Prerequisite: 301-302-303. Lecture three hours, laboratory three hours.

402. GRAVIMETRIC QUANTITATIVE ANALYSIS

(4). W.

Typical separations and gravimetric quantitative procedures applied to unknowns, including electrodeposition and special modern practical methods. Prerequisite: 106. Lecture three hours, laboratory three hours.

404. ADVANCED INORGANIC CHEMISTRY

(3). W;SS.

Atomic theory and the periodic system; coordinated compounds and nomenclature; acid-base theories; radioactivity. Lecture three hours.

406 [456]. SPECIAL PROJECTS

(2 to 4). F;W;S;SS.

Open to seniors majoring in chemistry.

Senior-Graduate Courses

450. QUALITATIVE ORGANIC ANALYSIS

(4). F;SS.

A systematic procedure for the identification of organic compounds. Laboratory practice in identifying pure organic compounds and mixtures. Prerequisite: 201-202-203. Lecture two hours, laboratory six hours.

452. ADVANCED ANALYTICAL CHEMISTRY

(4). W;SS.

Introduction to modern instrumental methods of analysis, including photometry, spectrophotometry, polarimetry, electrodeposition, polarography, pH and potentiometric titrations. Prerequisite: 401. Lecture three hours, laboratory three hours.

454-455. BIOCHEMISTRY

(4-4). W-S;SS.

Properties and metabolism of carbohydrates, lipids and proteins; chemistry of body fluids; biologically active compounds. Prerequisite: 201-202-203. Lecture three hours, laboratory three hours.

457-458-459. ORGANIC PREPARATIONS

(1-1-1). F-W-S;SS.

Three hours of laboratory.

Graduate Courses

A graduate major in chemistry consists of a minimum of 36 quarter hours of credit in senior-graduate and graduate level courses. Not more than 15 quarter hours may be senior-graduate level credits. The 36 quarter hours credit includes a thesis for six hours credit. A minimum of nine quarter hours credit is required in education and psychology.

The following chemistry courses are required of all graduate majors in chemistry: 450 or equivalent; 502 (to be taken fall term of first year); 504, 506, 509, 510, 513 or 514, 526, 527, 528, and 550.

Master of Arts candidates must pass comprehensive examinations in the four major fields of chemistry: inorganic, organic, analytical, and physical. Each must present and defend his thesis before the chemistry faculty.

- 501 [500]. MODERN CHEMISTRY (3) . SS.
Advanced review of principles of general chemistry with emphasis upon modern atomic theory. More mathematical treatment of physico-chemical principles. Introduction to modern methods of analysis. Admission by approval of instructor.
502. CHEMICAL LITERATURE (1) . F;SS.
To be taken fall term of first year. Lecture one hour.
504. CHEMICAL BOND THEORIES (3) . S;SS.
- 506-507. ORGANIC REACTION MECHANISMS (3-3) . W-S.
509. HISTORY OF CHEMISTRY (3) . F;SS.
510. CHEMICAL THERMODYNAMICS (3) . F.
511. QUANTUM CHEMISTRY (3) . F;SS.
Principles of classical and quantum mechanics. Quantum mechanical treatment of the hydrogen atom, radiation theory, atomic and molecular structure, molecular spectroscopy, electric and magnetic phenomena, and chemical kinetics. Prerequisite: 301-302-303.
513. OPTICAL METHODS OF CHEMICAL ANALYSIS (4) . W;SS.
Prerequisite: 452. Lecture three hours, laboratory three hours.
514. ELECTRICAL METHODS OF CHEMICAL ANALYSIS (4) . S;SS.
Prerequisite: 452. Lecture three hours, laboratory three hours.
515. ELECTRO CHEMISTRY (4) . F.
Lecture three hours, laboratory three hours.
518. RADIOCHEMISTRY (4) . W.
Introduction to nuclear chemistry; a study of radioisotopes and their application in chemical analysis and chemical research. Prerequisite: 301-302-303. Lecture three hours, laboratory three hours.
520. CHEMICAL KINETICS (3 or 4) . W.
Lecture three hours, laboratory three hours (optional) .
523. COLLOIDAL CHEMISTRY (3) . S.
- 526-527-528. SEMINAR (1) . F-W-S.
Weekly discussion groups.
550. MASTER OF ARTS THESIS (6) . F;W;S;SS.

DEPARTMENT OF ECONOMICS AND BUSINESS

O. SUTTON, *Acting Chairman*, A. BLACKBURN, R. M. CLITES, M. HAWKINSON, J. F. JONES, C. J. MESSERE, J. RINER, K. TULLY, T. WALLS.

The objectives of the Department of Economics and Business are to help students to become effective education or business leaders by developing skills, attitudes, and understandings essential for the successful direction of business relationships; to gain and use concepts and terminology of business which will be of aid to them in solving problems involving social, business, and economic concepts; to recognize the importance of general education in all fields of endeavor and to feel a responsibility, through cooperative effort, to promote utilization of the objectives of education.

A major in Economics and Business* leading to the Bachelor of Arts degree consists of sixty quarter hours above course 103, including Economics 201-202-203, 302, 320, Business 204-205-206, 415, 460, and thirty quarter hours in approved electives. A student is required to take the Aptitude Test and the Advanced Test of the Graduate Record Examination.

A minor in Economics and Business* consists of twenty-four quarter hours above course 103, including Economics 201-202-203, and fifteen quarter hours in approved electives.

A major in Economics and Business leading to the Bachelor of Science degree, Program A, consists of sixty quarter hours above course 103, including Economics 201-202-203, 302, 320, Business 204-205-206, 415, 460 and thirty quarter hours in approved electives.

A major in Economics and Business leading to the Bachelor of Science degree and teacher certification may be in either the Comprehensive or Basic Business curriculum. The Comprehensive curriculum consists of a minimum of sixty-six quarter hours above course level 103. These courses include Business 104, 201-202-203, 204-205-206, 302, 303, 304, 306, 400, 401, 403, 404, 405, 415, and Economics 201-202-203, 320 and three elective hours. Those who select the Basic Business curriculum must complete in lieu of Shorthand (Business 201, 202-203, 304) twelve quarter hours, including Business 410 and nine quarter hours with at least three hours in Accounting. A student is required to take the Common Examinations and the Business Education Examination of the National Teacher Examinations.

Curriculum in Economics and Business Leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year	Hours	Sophomore Year	Hours
Business 102-103, 104	9	Biology 101-102-103	9
Education 100	1	Business 201, 202-203	9
English 101-102-103	9	Business 204-205-206	9
History 101, 102, 103	9	English 201, 202, 203	9
Mathematics 101-102-103	9	History 201, 202	6
Physical Education	3	Physical Education	3
A Physical Science	9-12	Psychology 201	3
	49-52	Speech 101	3
			51
Junior Year	Hours	Senior Year	Hours
Business 302, 303	6	Business 400, 401	6
Business 304, 306	6	Business 403, 404	6
Economics 201-202-203	9	Business 405, 415	6
Economics 320	3	Economics elective	3
Education 301-302	6	Education 417 or elective	3
Education 417 or elective	3	Education 407	15
Humanities elective	6	Social Science elective	3
Psychology 304-305-306	9	Elective	3
	48		45

* A student may include not more than nine quarter hours in office skills and methods in the major or minor for the Bachelor of Arts degree.

The freshman and sophomore years of the curriculum in Economics and Business leading to the Bachelor of Arts degree are similar to the first two years of the Bachelor of Science curriculum above, except that courses in economics and business may be taken in the place of Business 102-103, 104, 201, 202-203. The junior and senior years will be devoted to completing major and minor requirements, foreign language requirements, and approved electives.

Courses of Instruction in Economics and Business

ECONOMICS

200. GENERAL ECONOMICS (3). F;W;S.
A survey course of elementary economics designed for non-business and non-social studies majors who plan to take only one course in the field. A brief treatment of the production and distribution of wealth in society, money and banking, the organization of business, and international trade. Not open to majors in economics and business and social science.
- 201-202-203. PRINCIPLES OF ECONOMICS (3-3-3). F-W-S.
A study of the present-day economic system; demand, supply, prices and costs; wages, rent, interest and profit; business cycles, money, banking and the Federal Reserve System; international trade; and a comparison of Capitalism, Socialism, Communism, and Fascism.
302. ECONOMIC ANALYSIS (3). S.
An analytical study of the basic concepts of value and distribution under conditions of pure competition, imperfect competition, and pure monopoly. Prerequisite 201-202-203.
303. LABOR ECONOMICS (3). F.
Position of the laborer and some of his problems in our industrial society. Prerequisite 201-202-203.
305. INTERNATIONAL TRADE AND FINANCE (3). W.
A study of the fundamental principles of international trade and foreign exchange; international specialization, balance of payments, foreign investments, tariffs and commercial policies, exchange control, exchange rates, and international monetary problems. Prerequisite: 201-202-203.
- 306 [402]. CURRENT ECONOMIC PROBLEMS (3). F.
Discussion of current economic problems of society; economic effects of proposed legislation; background causes of current problems, and discussion of suggested solutions. Prerequisite: 201-202-203.
320. PRINCIPLES OF MARKETING (3). F;W;S.
The basic principles of marketing as they relate to the economy. Prerequisite: 201-202-203.
325. ELEMENTARY STATISTICS (3). F;W;S.
A study of the presentation and analysis of quantitative data; statistical sources; table reading, chart making; introduction to index numbers, correlation, and time series.
403. COMPETITION AND MONOPOLY (3). F.
A study of imperfectly competitive markets, the economic and legal issues which they raise, and the policy solutions which have been attempted in the United States. Prerequisite: 201-202-203.
405. ECONOMIC HISTORY OF THE UNITED STATES (3). F.
Historical development of American economic society and its institutions. Same as History 405.

Senior-Graduate Courses

450. **MONEY AND BANKING** (3) . F.
How money and credit instruments are issued and secured; structure and effects of commercial banking and the Federal Reserve system; and impact on monetary and fiscal policy. Prerequisite: 201-202-203.
451. **HISTORY OF ECONOMIC THOUGHT** (3) . W.
Origin, development, and meaning of current economic conflicts in economic theory. A study of mercantilist, classical, neo-classical, and Keynesian economics. Prerequisite: 201-202-203.
452. **COMPARATIVE ECONOMIC SYSTEMS** (3) . W.
A critical analysis of the theory and practice of the economic systems of Capitalism, Communism, Socialism, and Fascism.
453. **ECONOMIC FLUCTUATIONS** (3) . S.
An analysis of the causes, consequences, forecasting, and control of cyclical fluctuation. Prerequisite: 201-202-203.
455. **PUBLIC FINANCE AND TAXATION** (3) . S.
Government revenues, expenditures, budgets, and financing taxes; shifting and incidence of taxation, public debts and economic effects of government monetary and fiscal policies. Prerequisite: 201-202-203.
460. **SEMINAR IN ECONOMICS** (3) . S.
An extended investigation of some specific topic with a view to giving training in methods of research and studying intensively some subject in the field of economics. Prerequisites: 201-202-203, 302, and nine additional hours of economics, senior classification.

BUSINESS

- 101, 102-103. **TYPEWRITING** (3,3-3) . F,W-S.
The typewriting keyboard and theory. Students who have completed successfully one semester of typewriting in secondary school or equivalent will be required to register for 102. Recitation and laboratory five hours.
104. **BUSINESS MATHEMATICS** (3) . S.
The fundamental processes of mathematics and their application to common business practices.
- 201, 202-203. **SHORTHAND** (3,3-3) . F,W-S.
Mastery of principles of Gregg Shorthand and ability to take dictation. Students who have completed successfully one semester of shorthand in secondary school or equivalent will be required to register for 202. Recitation five hours.
- 204-205-206. **ELEMENTARY ACCOUNTING** (3-3-3) . F-W-S.
Principles and fundamentals of accounting procedure and practices. Laboratories scheduled as needed.
300. **TYPEWRITING** (3) . S;SS.
A terminal course for non-business teachers who have had no previous typewriting in the use of the typewriter and duplicating machines. Recitation and laboratory five hours.
301. **PRINCIPLES OF SELLING** (3) . S.
A study of the basic principles and techniques of selling.
302. **BUSINESS CORRESPONDENCE** (3) . F;W;S.
The principles and application of business letter writing.

303. OFFICE MACHINES (3) . F;W;S.
Practice in the use of common office machines. Prerequisites: Typewriting and Accounting.
304. ADVANCED SHORTHAND (3) . W;S.
Ability to take rapid dictation and transcribe it. Prerequisite: Business 202-203. Recitation and laboratory five hours.
305. ADVANCED SHORTHAND (3) . S.
Advanced study of shorthand dictation and transcription. Prerequisite: Business 202-203, 304.
306. INTERMEDIATE ACCOUNTING (3) . F;W;S.
Application of accounting to various forms of business organization. Prerequisite: Business 204-205-206.
- 307-308. INTERMEDIATE ACCOUNTING (3-3) . W-S.
Further application of accounting to various forms of business organization. Prerequisite: Business 204-205-206, 306.
- 315 [401]. PERSONAL FINANCE (3) . W.
Management of personal finances; budgeting, savings and checking accounts, insurance, stocks and bonds, and real estate.
400. BUSINESS LAW (3) . F;W;S.
A treatment of the fundamental principles of law relating to business. Emphasis is placed upon the study of contracts, negotiable instruments, and agencies.
401. BUSINESS LAW (3) . F;W.
A continuation of Business 400. Emphasis is placed upon the study of personal property and bailments, sales, partnerships, corporations. Prerequisite: Business 400.
402. BUSINESS LAW (3) . S.
Real property, insurance, security devices, bankruptcy, trusts and estates, and government regulation. Prerequisite: Business 400.
403. OFFICE PRACTICE (3) . F;W;S.
At least ninety hours of actual work in an office. Group conferences to be arranged.
404. PRINCIPLES OF BUSINESS EDUCATION (3) . F;W;S.
A study of the curriculum, current problems, and other interrelated factors in business education.
405. TEACHING THE NON-SKILL BUSINESS COURSES (3) . F;W;S.
A study of the use of various teaching aids and successful methods used in the teaching of the basic business subjects.
410. PRINCIPLES OF FINANCE (3) . F;W.
Principles and methods of financing business organizations and problems of capital structure. Prerequisites: Business 204, 205, 206; Economics 201, 202, 203.
- 415 [402]. BUSINESS MANAGEMENT (3) . F;W;S.
An integrated and analytical study of the functions of business with emphasis on management, organization, ownership, and operation. Prerequisite: Economics 320.

Senior-Graduate Courses

450. PRINCIPLES OF INSURANCE (3) . F;W.
A theoretical and practical study of the different kinds of insurance. Offered 1966 SS.

451. OFFICE MANAGEMENT (3). F.
A study of principles of scientific management as they relate to the office. Offered 1967 SS.
452. INCOME TAX ACCOUNTING (3). S.
A presentation of the underlying principles of income taxation and the special accounting problems involved in the calculation of federal and state liability, with emphasis on the individual return. Prerequisite: Business 204-205-206.
- 453 [510]. COST ACCOUNTING (3). F.
Principles of manufacturing and distribution cost accounting. Material, labor, and overhead costs in job order and process cost accounting. Business procedures and their adaptation to business situations and needs of management. Offered 1967 SS.
454. GOVERNMENTAL ACCOUNTING (3). W.
Application of principles of accounting and budgeting to municipal, state, and federal governmental units. Prerequisite: Two quarters of accounting on the 300 level.
460. PERSONNEL MANAGEMENT (3). W.
Principles and policies governing present-day employment and employer-employee relationships. Prerequisite: Economics 201-202-203. Not offered 1965-66.

Graduate Courses

A graduate major in economics and business consists of thirty-six quarter hours, including Business 500, 501, 505, 506 or 507, 515, and elective courses in economics and business and related areas.

500. BIBLIOGRAPHY AND RESEARCH (3). F;SS.
A study of bibliographical problems, types of research, and organization and reporting of research. Required in the first quarter of all beginning graduate students.
501. SURVEY OF BUSINESS FINANCE (3). F;SS.
Principles and problems of financing a business enterprise and their relationship to the investor and the consumer. Offered 1966 SS.
502. MARKETING PROBLEMS AND POLICIES (3). W;SS.
Problems involving marketing organizations and methods with emphasis upon functions, institutions, and channels and their relationship to the consumer. Offered 1966 SS.
503. ADVANCED BUSINESS LAW (3). SS.
Law as it applies to the everyday business transactions of individuals and the organization and operation of a business enterprise. Offered 1966 SS.
504. THEORY OF AUDITING (3). SS.
Basic principles of auditing with emphasis on analyzing and verifying records and reports. Offered 1967 SS.
505. CURRENT PROBLEMS IN BUSINESS EDUCATION (3). W.
Problems in organizing and administering a business education program in the high schools. Offered 1967 SS.
506. INSTRUCTION OF THE SECRETARIAL SUBJECTS (3). SS.
Trends and research in the teaching of shorthand, typewriting, and related subjects.

507. INSTRUCTION IN THE BASIC BUSINESS SUBJECTS (3). S;SS.
Objectives, organization of the curriculum, instructional materials, and methods of instruction of the basic business subjects. Offered 1967 SS.
508. BUSINESS REPORT WRITING (3). W;SS.
A study of principles and functions of communications for a business enterprise. Offered 1966 SS.
512. MATERIALS, METHODS, EQUIPMENT IN BUSINESS EDUCATION (3). SS.
Investigations and demonstrations of recently developed materials, methods, and equipment used in teaching the business subjects in secondary schools. Offered as workshop.
515. BUSINESS MANAGEMENT (3). S.
Background, principles, techniques and basic problems of business management; budgeting and purchasing policies; emphasis on interdependence and interrelationship of management activities and functions. Offered 1967 SS.
516. PERSONNEL ADMINISTRATION (3). S;SS.
Problems and practices in personnel management. Offered 1967 SS.
517. SEMINAR IN ACCOUNTING (3). SS.
Offered 1966 SS.
548. INDEPENDENT STUDY (3-6). F;W;S.
550. MASTER OF ARTS THESIS (6). F;W;S.

DEPARTMENT OF EDUCATION

B. H. HORTON, *Chairman*, J. P. BAGLEY, J. G. BARDEN, M. BLUE, B. G. BOSWORTH, M. BRADFORD, B. CAMPBELL, J. COLE, J. COREY, G. COUNCILL, W. E. FULMER, C. H. GILSTRAP, M. GRIGGS, J. E. HARRILL, I. JONES, J. D. LACEY, R. MCFARLAND, J. R. MELTON, W. D. MEREDITH, J. L. MURPHY, U. PRICE, J. A. PRITCHETT, JR., B. RAMEY, R. L. RANDALL, L. REYNOLDS, J. N. SAWYER, N. W. SHELTON, C. SMITH, B. F. STRICKLAND.

The Department of Education is devoted to the professional education of men and women who intend to enter the fields of teaching and educational administration. Specifically it is dedicated to the task of developing desired professional competences in the prospective teacher and school administrator. These competences include an understanding of the effective promotion of the growth and development of children and youth; the nature of the society in which the pupil lives and how it affects his growth and development; experiences in planning the curriculum better to meet the needs of the pupil, to take advantage of his interests, and to challenge his capacities; experiences in effective teaching methods; the importance of working cooperatively with others for attaining the goals of education; skill in applying the principles and techniques of guidance and counseling; skill in promoting continuing personal and professional growth. The department is also devoted to developing further the competences needed in successful personal living outside as well as inside the school and the skill of becoming a successful, participating member of society.

A student preparing to teach in the secondary school must complete Education 301-302, Psychology 304-305-306, one methods course in his field of concentration, and Education 407.

A student preparing to teach in a special area must complete Education 301-302, Psychology 301-302-303, methods course or courses in his field of concentration, and Education 404.

A student preparing to teach in the elementary school must complete Education 301-302-303, Psychology 301-302-303, Education 306, 401 or 402, 403, and 405.

In the area of specialization he must complete Art 201, 202, 217; General Science 401; Geography 102, 103; History 306; Health 401; Library Science 304, 305; Music 301, 302, 303; Physical Education 320, 350, 351, 352; and an academic concentration in one field of at least fifteen hours in addition to courses in General Education and courses required above. By the end of the junior year, a major in elementary education should show proficiency in typing.

A student preparing to teach in the Nursery-Kindergarten must complete all courses required of the major in elementary education, except that fifteen academic hours in addition to General Education requirements may be taken in more than one department.

A student preparing to teach special education with emphasis on mental retardation must complete Art 201, 202; Education 301-302-303, 306, 320, 401 or 402, 403, 404, 451, 452, 454, 456; General Science 401; Health 401; History 306; Industrial Art 458; Library Science 304; Music 301, 302, 303; Physical Education 350, 351, 352, 450; Psychology 301-302-303, 460; Sociology 201; Speech 304, 305.

A student preparing to teach in the Nursery-Kindergarten, elementary school, or special education is required to take the Common Examinations and the Elementary Education Examination of the National Teacher Examinations.

Students who have not completed Education 100 or equivalent or who are not proficient in reading are required to complete Education 310. Students who are not proficient in composition and English grammar are required to complete English 010, 206, or 307.

Curriculum in Elementary Education Leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year	Hours	Sophomore Year	Hours
Education 100	1	Art 201-202, 217	9
English 101-102-103	9	Biology 101-102-103	9
Geography 101, 102, 103	9	English 201, 202, 203	9
History 101, 102, 103	9	History 201, 202	6
Mathematics 101-102-103	9	Music 217	3
Physical Science 101-102-103	9	Physical Education	3
Physical Education	3	Political Science 201	3
	—	Psychology 201	3
	49	Speech 101	3
			—
			48

Junior Year	Hours	Senior Year	Hours
Education 301-302-303	9	Education 401 or 402	3
History 306	3	Education 306, 403	6
Humanities elective	3	Education 405	15
Library Science 304, 305	6	General Science 401	3
Music 301-302-303	6	Health 401	3
Physical Education 320	3	Electives	18
Physical Education 350, 351, 352	3		—
Psychology 301-302-303	9		48
Electives	9		
	—		

Curriculum in Special Education Leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year	Hours	Sophomore Year	Hours
Education 100	1	Art 201-202	6
English 101-102-103	9	Biology 101-102-103	9
Geography 101	3	Education 320	3
History 101, 102, 103	9	English 201, 202, 203	9
Mathematics 101-102-103 or 107-108	9-10	History 201, 202	6
Physical Education	3	Music 217	3
Physical Science 101-102-103	9	Physical Education	3
Psychology 201	3	Physical Education 350, 351, 352	3
Speech 101	3	Political Science 201	3
	—	Sociology 201	3
	49-50		48
Junior Year	Hours	Senior Year	Hours
Education 301-302-303	9	Education 404	15
Education 451, 452, 454	9	Education 401 or 402	3
History 306	3	Education 306, 403	6
Industrial Arts 458	3	Education 456	3
Library Science 304	3	General Science 401	3
Music 301-302-303	6	Health 401	3
Psychology 301-302-303	9	Humanities elective	3
Speech 304, 305	6	Physical Education 450	3
Elective	3	Psychology 460	3
	—	Electives	6
	51		48

100. DEVELOPMENTAL READING (1). F;W;S
Required of all freshmen. This course is designed to afford immediate improvement of reading skills and study habits to enable freshmen to carry out the academic requirements of college.
- 301-302-303. THE SCHOOL (3-3-3). F-W-S.
A study of the development and organization, management, administration, and curriculum; materials, methods, and principals of instruction; purposeful directed observation; differentiation for elementary and secondary school majors; professional laboratory experiences provided as an integral part of these courses, taken concurrently with Psychology 301-302-303 or 304-305-306.
304. SOCIAL STUDIES IN THE ELEMENTARY SCHOOL (3). S.
The place of social studies in the elementary curriculum: objectives, instructional procedures, materials, and evaluative criteria.
305. LANGUAGE ARTS IN THE ELEMENTARY SCHOOL (3). W.
An understanding of the communication skills—listening, speaking, reading, writing, spelling; a comparison of current methods and materials; an analysis and correlation of basic difficulties and the correlation of language arts with other activities.
- 306 [301, 401]. WRITING IN THE ELEMENTARY SCHOOL (3). F;W;S.
A functional approach to teaching manuscript and cursive writing.

307. MUSIC IN THE ELEMENTARY SCHOOL (3). W.
Same as Music 307.
308. MUSIC IN THE SECONDARY SCHOOL (3). S.
Same as Music 308.
309. PIANO PEDAGOGY (3). W.
Same as Music 309.
310. FOUNDATIONS OF READING (3). F;W;S.
The course deals with the nature of the reading process and the development of basic reading skills. Required of majors in elementary education who have not completed 100 or who are not proficient in reading.
- 320 [454]. INTRODUCTION TO EXCEPTIONAL CHILDREN (3). F;S.
An overview of the various types of exceptional children: impaired and gifted. Emphasis on characteristics, identification, educational programing, and cooperating agencies.
401. READING IN THE PRIMARY GRADES (3). F;W;S.
Principles and practices of a balanced reading program. A study of systematic and differentiated procedures based on recent research. Prerequisite: Education 301, 302, Psychology 301, 302.
- 402 [404]. READING IN THE GRAMMAR GRADES (3). F;W;S.
Teaching the fundamentals of reading at the grammar grade level; improvement of word recognition skills, rate, and comprehension; development of effective reading-study techniques. Prerequisites: Education 301, 302, Psychology 301, 302.
- 403 [402, 403]. MATHEMATICS IN THE ELEMENTARY SCHOOL (3). F;W;S.
A study of how children develop basic number concepts and learn to perform operations with natural numbers and fractions. Consideration of sequential learning experiences appropriate to each grade level. Prerequisite: Education 301-302, Psychology 301-302.
404. STUDENT TEACHING: SPECIAL SUBJECTS (15). F;W;S.
Full time teaching experience under supervision for one quarter for students who plan to teach special subjects in grades 1-12. For students majoring in art, physical education and health, library science, music, special education.
405. STUDENT TEACHING: ELEMENTARY SCHOOL (15). F;W;S.
Full time teaching experience under supervision for one quarter for students who plan to teach in grades 1-8 of the elementary school.
406. STUDENT TEACHING (10). SS.
Course in student teaching during summer session of the Elementary Laboratory School, June to August. Open only to those who have teaching experience. Application for this course must be made to the Director of Student Teaching by March 1.
407. STUDENT TEACHING: HIGH SCHOOL (15). F;W;S.
Full time teaching experience under supervision for one quarter for students who plan to teach secondary school subjects in grades 9-12.
408. TEACHING HIGH SCHOOL MATHEMATICS (3). F;S.
Prerequisites: Education 301-302, Psychology 304-305.
409. TEACHING HIGH SCHOOL SCIENCE (3). F;S.
Prerequisites: Education 301-302, Psychology 304-305.
410. TEACHING HIGH SCHOOL SOCIAL STUDIES (3). F;W;S.
Prerequisites: Education 301-302, Psychology 304-305.

411. TEACHING HIGH SCHOOL ENGLISH (3). F;S.
Prerequisites: Education 301-302, Psychology 304-305.
412. TEACHING FOREIGN LANGUAGES (3). S.
Prerequisites: Education 301-302, Psychology 304-305.
413. TEACHING HOME ECONOMICS (3). F;S.
Prerequisites: Education 301-302, Psychology 304-305.
414. TEACHING PHYSICAL EDUCATION (3). F;W;S.
Prerequisite: Education 301-302, Psychology 301-302.
416. TEACHING INDUSTRIAL ART (3). S.
Prerequisites: Education 301-302, Psychology 304-305.
417. TEACHING BUSINESS EDUCATION (3). F;W;S.
Prerequisites: Education 301-302, Psychology 304-305.
418. TEACHING SPEECH (3). S.
Prerequisites: Education 301-302, Psychology 304-305.
419. INSTRUMENTAL METHODS AND MATERIAL (2). W.
A comprehensive survey of the materials and methods in instrumental class teaching. Prerequisites: Education 301-302, Psychology 301-302. Same as Music 419.
420. CHORAL METHODS AND MATERIALS (2). S.
A comprehensive survey of the materials and methods in choral teaching. Same as Music 420.

Senior-Graduate Courses

450. SCIENCE IN THE ELEMENTARY SCHOOL (3). SS;Ex.
Same as General Science 450.
451. EDUCABLE MENTALLY RETARDED (3). F;W.
Characteristics and problems of children in the upper levels of retardation. Survey of studies in regard to causative factors, community and educational problems, and diagnosis. Prerequisite: 320 or equivalent.
452. TRAINABLE MENTALLY RETARDED (3). W.
Classification, diagnosis, characteristics, education and care of children in the trainable range of intelligence. Includes a study of institutional care. Prerequisite: 451.
453. ART EDUCATION WORKSHOP (3). SS;Ex.
Same as Art 453.
- 454 [514]. CURRICULUM FOR THE MENTALLY RETARDED (3). W;S.
Curriculum development at different levels of maturation; organization, planning, adaptation of activities, materials, and methods. Prerequisite: Education 451 or equivalent.
- 456 [509]. MEASUREMENT AND ASSESSMENT (3). F;W;S.
A study of the history and theory of measurement, methods of assessment other than tests, principles of test construction with particular emphasis on statistical concepts pertinent to tests.
457. MATHEMATICS IN THE ELEMENTARY SCHOOL (3). Ex.
Same as Mathematics 457. Available as a workshop.
458. MATHEMATICS IN THE SECONDARY SCHOOL (3). Ex.
Same as Mathematics 458. Available as a workshop.

- 459 [431]. NURSERY—KINDERGARTEN CURRICULUM (3). F.
Development and organization of the curriculum with emphasis placed on such areas as communicative skills, science, and social learnings.
461. NURSERY—KINDERGARTEN CURRICULUM (3). W.
Selecting, planning, and utilizing the materials, methods, activities, facilities for programs suited to the young child. Laboratory experiences required.
462. READING IN HIGH SCHOOL (3). F;W;S.
Reading problems encountered on the high school level; reading in the content areas of the curriculum; the total school responsibility in reading improvement. Opportunities for practical application provided.
464. WORKSHOP IN TEACHING READING (3). SS;Ex.
466. INSTRUCTIONAL MATERIALS (3). F;S;SS.
Survey of materials available to teachers for improvement of classroom instruction; the role of instructional materials in teaching and learning; sources, selection, and use of printed, free and inexpensive, graphic, audio-visual, and special materials for individualized instruction.
469. MUSIC EDUCATION WORKSHOP (3). SS.
Same as Music 469.
471. ELEMENTARY SCHOOL CURRICULUM (3). SS.
A study of the elementary school curriculum in modern schools; recent trends in curriculum revision and organization.
472. DIAGNOSTIC AND REMEDIAL READING (3). F;W;S.
How to locate causes of reading difficulties and prescribe corrective procedures.
473. DIAGNOSTIC AND REMEDIAL READING (3). F;W;S.
Students are assigned to individual or small groups for diagnostic and remedial teaching. Prerequisite: 472 or taken concurrently with 472.
475. AUDIOVISUAL INSTRUCTION (3). F;W;S.
Advantages, limitations, and practical classroom applications of non-projected and projected materials. General principles underlying the selection, production, and use of models, maps, charts, slides, filmstrips, recordings, motion pictures. Available as a workshop.
477. TEACHING OF READING (3). S;SS.
A study of current practices, materials, and philosophy of teaching reading on all levels.
478. PRINCIPLES OF GUIDANCE (3). F;W;S;SS.
An introductory study of public school guidance and counseling programs and practices.
480. AUDITORY TRAINING FOR THE ACOUSTICALLY HANDICAPPED (3). W.
A study of the re-education of the hearing of acoustically handicapped children. Principles and methods of training residual hearing; use of amplifying devices; demonstrations and practice. Given at the North Carolina School for the Deaf.
481. TEACHING SPEECH READING TO THE DEAF (3). W.
A presentation and interpretation of instruction for use in the teaching of lipreading to the acoustically handicapped child and adult. Special consideration of pupil types and speech conservation. Extensive observation and practice required. Given at the North Carolina School for the Deaf.

482. TEACHING LANGUAGE TO THE DEAF (3). W.
A study of language development of the hearing impaired with emphasis on systems and techniques of developing language for children who are deaf. Given at the North Carolina School for the Deaf.
483. TEACHING SPEECH TO THE DEAF (3). F;W.
Formation and development of elementary English sounds; the principles and science of speech; voice building and voice analysis; diagnosis and remedial techniques. Genesis and development of the speech function in the hearing child compared with the development of speech in the deaf child. Mechanics of speech. Given at the North Carolina School for the Deaf.
485. TEACHING ELEMENTARY SCHOOL SUBJECTS TO THE DEAF (3). W.
Methods of teaching language, reading, and other elementary school subjects for the acoustically handicapped child; materials, use of visual aids; special techniques in classroom procedure. Given at the North Carolina School for the Deaf.
490. SOCIAL FOUNDATIONS OF EDUCATION (3). F;SS.
The purpose of the course is to acquaint students with the role of the school in relation to its social setting and organization.
491. PHILOSOPHICAL FOUNDATIONS OF EDUCATION (3). S;SS.
The purpose of the course is to look at the emphases of three general types of philosophy: realism, idealism, and pragmatism.

Graduate Courses

500. RESEARCH IN EDUCATION (3). F;W;S.
A study of the various types of research and the logical organization of research and reporting; required in first quarter for persons working for Master of Arts Degree in any area in education, industrial arts, library science.
501. PUBLIC SCHOOL ADMINISTRATION (3). SS.
A study of basic structure, organization, and administration of American public education; the role of the various agencies and administrative personnel; financial support; special problems. Prerequisite: three years' teaching experience.
502. ORGANIZATION AND ADMINISTRATION OF SECONDARY SCHOOLS (3). F;SS.
A study of secondary education and administration, research, curriculum, schedule making, opening and closing of school. Prerequisite: three years' teaching experience.
503. PROBLEMS OF THE HIGH SCHOOL PRINCIPAL (3). SS.
A study of the practical problems involved in secondary schools. Prerequisite: three years' teaching experience.
504. ORGANIZATION AND ADMINISTRATION OF THE ELEMENTARY SCHOOL (3). S;SS.
A study of the role of the administrator in modern elementary education. Prerequisite: three years' teaching experience.
505. SUPERVISION OF INSTRUCTION (3). S;SS.
A study of the nature and function of supervision, recent trends, teacher participation in policy formation, the organization and planning of supervision. Prerequisite: three years' teaching experience.
506. CURRICULUM CONSTRUCTION (3). F;S;SS.
A study of principles, effective practices, and techniques appropriate for overall curriculum planning.

507. EDUCATION OF THE ACOUSTICALLY HANDICAPPED (3). F;SS.
History of the education of hearing handicapped persons. Study of the social development of the hearing impaired from birth through adulthood.
508. READING PROBLEMS (3). W;SS.
A review of remedial techniques used in the treatment of reading problems; application of materials and methods for remedial work. Prerequisite: Education 472 or permission of instructor.
509. READING FOR THE SLOW LEARNER (3). S.
A study of techniques of teaching reading to children with intellectual, physical, and sensory impairment.
510. EXTRA-CURRICULAR ACTIVITIES (3). F;SS.
A study of extra-curricular activities which modern schools are expected to carry out as a part of their educational program.
511. INVESTIGATIONS IN READING (3). F;SS.
Investigations are made of the literature and research dealing with the teaching of reading.
512. [463]. JUNIOR HIGH SCHOOL CURRICULUM AND ORGANIZATION (3). S;SS.
A study of the junior school in terms of its origin, functions, curriculum, and organization.
513. TEACHING THE LANGUAGE ARTS (3). SS.
The course deals with problems in oral and written communications and with reading and listening in the elementary school.
514. USE AND INTERPRETATION OF GROUP TESTS (3). F;W;S.
A study of selected group-administered aptitude, achievement, and intelligence tests, emphasizing their use and limitations, evaluation, proficiencies, research, and diagnosis. Prerequisite: Education 456 or equivalent.
515. ORGANIZING AND PLANNING STUDENT TEACHING (3). F;SS.
A study of the origin and development of student teaching, including present status and trends, experiences prior to student teaching, selection of schools and supervising teachers, selection and placement of student teachers.
516. SUPERVISION OF STUDENT TEACHING (3). S;SS.
A study of general techniques of a supervision teacher, including observation, guiding student teachers in planning, orientation of student teachers, student teacher participation, and evaluations. Available as a workshop.
517. SCHOOL SUPERVISION (3). SS.
This course is planned for students preparing for positions as general county and city supervisors.
518. PUBLIC SCHOOL FINANCE (3). F;SS.
A study of educational theory and operating principles which will contribute to the understanding of the nature of problems of public school finance in the United States and particularly in North Carolina. Prerequisite: three years' teaching experience.
519. EDUCATION OF THE PHYSICALLY HANDICAPPED (3). F.
A study of muscle, skeletal, neuromuscular and health impairments and the educational adaptations required. Prerequisite: 320.
520. OCCUPATIONAL AND EDUCATIONAL INFORMATION (3). F;SS.
Designed to acquaint teachers and counselors with sources and uses of vocational and educational information.

521. VOCATIONAL PLANNING FOR THE HANDICAPPED (3). S.
Vocational planning and work preparation for the handicapped. Includes consideration of basic occupational skills, work training and sheltered work-shop programs.
522. TECHNIQUES OF COUNSELING (3). S;SS.
Designed primarily for students certifying in guidance and counseling; emphasis on theory and practice. Prerequisite: Education 478, Psychology 450, 519.
523. ORGANIZATION AND ADMINISTRATION OF GUIDANCE SERVICES (3). W;SS.
Primarily designed for those who desire to study the methods of introducing and establishing a school guidance program. Prerequisite: Education 478.
524. SEMINAR IN GUIDANCE (3). W;SS.
Each individual will select some phase of guidance work, according to his special interests, for research and study. Prerequisites: Education 478 and approval of adviser.
525. PROBLEMS IN PUBLIC SCHOOL ADMINISTRATION (3-6). F;SS.
A study of current trends, issues, and problems related to the organization and administration of the instructional program. The course is designed for school administrators and other present and prospective educational leaders.
526. GROUP METHODS IN GUIDANCE (3). F.
A study of group guidance methods and techniques most adaptable to public school guidance work and home room programs.
527. ORGANIZATION AND ADMINISTRATION OF SPECIAL EDUCATION (3). W.
The implementation of special education programs at the national, state, and local levels. Effective public school programing.
528. PRODUCTION AND CARE OF AUDIOVISUAL MATERIALS (3). F;SS.
Production of posters, charts, bulletin boards, maps, slides, films, and programmed materials. Includes design and use of color layouts, photography, graphics, and other special production techniques. Prerequisite: 475.
529. ORGANIZATION AND SUPERVISION OF SCHOOL MUSIC (3). W;SS.
The responsibilities of the music supervisor in relation to the classroom teacher, the music teacher, and the school administration. Same as Music 529.
530. EDUCATION OF THE GIFTED (3). S.
A survey of educational programs for the gifted including curriculum, methods, and administrative educational adjustments.
531. SEMINAR IN MUSIC (3). F;SS.
A review of the philosophy and practices in music education; reading of current studies. Same as Music 531.
532. USE AND CARE OF MACHINES AND EQUIPMENT (3). W;SS.
A study of operating techniques of audiovisual equipment, projection devices, recorders, cameras, electronic laboratories, teaching machines; preventive maintenance and minor repairs.
533. ELEMENTARY EDUCATION WORKSHOP (3). SS.
535. PHILOSOPHY OF EDUCATION (3). F;SS.
A study of the biological, psychological, and sociological principles underlying modern life in a democracy as a basis for a sound philosophy of education.
536. PROGRAMED INSTRUCTION (3). S;SS.
A study of the basic principles of program construction; critical survey of

equipment and materials presently available; use of machines and programmed materials in the classroom; experience in programing.

537. ORGANIZATION AND ADMINISTRATION OF AN AUDIOVISUAL PROGRAM (3). S;SS.
Selection and evaluation of materials and equipment, including an analysis of the adequacy and effectiveness of audiovisual programs in schools and school systems. Prerequisite: 475.
538. PRACTICUM IN COUNSELING (6-9). F;W;S;SS.
Actual practice in applying counseling techniques. During the summer this course is offered for eight weeks concurrent with the campus laboratory schools and is available primarily for ASTC degree candidates. Prerequisite: Completion of all other guidance courses and approval of instructor.
539. CORE CURRICULUM (3). SS.
A study of the development and organization of the core curriculum with consideration given to objectives, methods, activities, and evaluations of this type of curriculum.
541. STUDENT PERSONNEL SERVICES (3). W;SS.
This course is designed for students interested in preparing themselves for college work in a non-instructional capacity. Emphasis is given to philosophy, organization, staffing, and services which comprise adequate student personnel programs: orientation, records, counseling, testing, health, recreation, housing, and placement.
542. INSTRUCTION PROGRAM OF THE TWO-YEAR COLLEGE (3). F;SS.
A study of materials and techniques of instruction used at the two-year college level.
543. ORGANIZATION AND ADMINISTRATION OF THE TWO-YEAR COLLEGE (3). S;SS.
544. SEMINAR ON THE TWO-YEAR COLLEGE (3). F;W;S.
Discussion and analysis of the problems, research, and recent trends in the two-year college.
545. PRACTICUM IN TEACHING IN THE TWO-YEAR COLLEGE (3). F;W;S.
546. CAMP LEADERSHIP AND CAMP ADMINISTRATION (3). SS.
The training of counselors for organized camping, with special reference to planning, scheduling, and conducting the various phases of the school camping program; laboratory experiences in the Appalachian High School Camp program.
547. SCHOOL CAMPING AND THE CURRICULUM (3). SS.
A study of the philosophy of camping, the curriculum relationships on the elementary and high school levels, with appropriate laboratory experiences in the Appalachian High School Camp program.
548. INDEPENDENT STUDY (3). F;W;S;SS.
549. SCHOOL BUILDING PLANNING (3). W;SS.
Emphasis upon educational planning of teaching space and facilities, planning buildings for newer instructional equipment, power requirements, efficient use of existing facilities, economical housekeeping and maintenance programs.
550. MASTER OF ARTS THESIS (6). F;W;S.
551. FIELD EXPERIENCE IN TEACHING READING (3 to 9). F;W;S;SS.
552. SUPERVISION OF INSTRUCTION IN THE TWO-YEAR COLLEGE (3). SS.
Organization and planning of supervision, the development of skills in co-operative planning, and the evaluation of activities for the college student.

553. PLANNING THE COMMUNITY COLLEGE (3). SS.
Analyzing communities and determining aims and objectives in planning curricula in general education and vocational education for the community college.
554. RADIO AND TELEVISION IN INSTRUCTION (3). W;SS.
A survey of programing techniques and optimum utilization of mass communications media; problems related to the reception and use of programs for classroom teaching and large group instruction.
555. SEMINAR IN PROBLEMS IN AUDIOVISUAL INSTRUCTION (3). S;SS.
Analysis of theory and research related to administrative and financial aspects of local, state, and nationally sponsored audiovisual programs; curricular integration and audiovisual materials for schools; relationship of production techniques to educational outcomes; the effects of communications on attitudes and social action.
556. PRACTICUM IN AUDIOVISUAL PROGRAMS (3). F;W;S.
Actual field experience, under supervision, providing practice in the application of audiovisual procedures. May include experience in conducting workshops in audiovisual materials for teachers and/or services in the Audiovisual Center.
560. SCHOOL LAW (3). SS.
The purpose of the course is to analyze the fundamental principles underlying the relation of the state to education and to reduce to systematic organization the principles of the case or common law which are applicable to practical problems or school organization and administration.
561. CURRICULUM AND EVALUATION IN READING (3). SS.
A study and evaluation of select curricula and programs in reading and the planning of a total school reading program.
562. SECONDARY SCHOOL CURRICULUM (3). SS.
A study of the modern secondary school curriculum; development, recent trends, and organization; including the philosophy and psychology upon which these practices are based.
- 564 [530]. ADVANCED PRODUCTION OF AUDIOVISUAL MATERIALS (3). W;SS.
Continuation of Education 528 in breadth and depth. Emphasis on project productions for mass distribution.
565. ADVANCED PROGRAMED INSTRUCTION (3). SS.
An intensive workshop in the preparation, design, and validation of programs for instruction; advanced programing techniques for teaching machines and programed text materials. Prerequisite: Education 536.
570. READINGS AND RESEARCH IN SPECIAL EDUCATION (3). F;W;S.
Individual programs of reading or research for students majoring in the education of exceptional children.
571. SEMINAR IN READING (3). SS.
The seminar is planned to meet the needs of specific groups in reading.
572. INTERNSHIP IN SPECIAL EDUCATION (9-15). F;W;S.
Supervised experience with handicapped children.
- 575 [540]. INTERNSHIP IN SCHOOL ADMINISTRATION (6). F;W;S.
Arrangements may be made for qualified students to serve as interns under exceptionally good administrators to gain actual experience as principal, supervisor of instruction, or superintendent. The program may be set up

to allow either a full quarter of internship or for part-time internship while employed in a school system.

- 576 [541]. INTERNSHIP FOR SUPERVISING TEACHERS (3). F;W;S.
A program designed for regularly employed public school teachers in which experiences will be provided to enable a supervising teacher to do a better job of supervising the work of a student teacher.

DEPARTMENT OF ENGLISH

G. P. EGGERS, *Chairman*, R. AKERS, J. ALDRIDGE, D. ASKINS, J. F. BOZARD, F. C. COOK, L. EDWARDS, D. EGGERS, C. HARDY, D. R. HODGIN, J. P. MACBRYDE, B. MC-FARLAND, B. REUTTER, O. SAWEY, P. SMITH, J. J. VAN NOPPEN, R. V. WHITENER, C. D. WILLIAMS.

The aim of the Department of English is to give students competency in written and oral composition and in the interpretation and appreciation of literature.

A major in English leading to the Bachelor of Arts degree consists of forty-eight quarter hours above General Education requirements, including 301, 302, 303, 304, 305, 401, 452, 453, and twenty-four quarter hours in approved electives. A student is required to take the Aptitude Test and the Advanced Test of the Graduate Record Examination.

A minor in English consists of eighteen quarter hours above General Education requirements, including 301, 302, 303, and nine quarter hours in approved electives.

A major in English leading to the Bachelor of Science degree and teacher certificate consists of nine quarter hours of a foreign language beyond the elementary course and a minimum of fifty-seven quarter hours in English and related fields above General Education requirements. These include 204, 206, 301, 302, 303, 304, 305, 401, 452, 453, Education 462, Library Science 467, Speech 207, and eighteen elective hours in English and related fields. A student is required to take the Common Examinations and the English Examination of the National Teacher Examinations.

The Department of English requires as a prerequisite for the Master's degree an undergraduate major in English equivalent to that available at Appalachian State Teachers College. For the Master's degree, a minimum of thirty-six quarter hours (thirty-three with a thesis) of English must be offered, including English 500, Bibliography and Research; English 506, History of the English Language; English 512, Literary Criticism. For requirements concerning the final comprehensive examination and the thesis, see the discussion of these elsewhere in this bulletin, or consult the chairman of the department.

Curriculum in English Leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year	Hours	Sophomore Year	Hours
Education 100	1	Biology 101-102-103	9
English 101-102-103	9	English 201, 202, 203	9
Foreign Language 101-102-103 or 104-105-106	9	English 204, 206	6
History 101, 102, 103	9	Foreign Language 104-105-106 or electives	9
Mathematics 101-102-103	9	History 201, 202	6
A Physical Science	9-12	Physical Education	3
Physical Education	3	Psychology 201	3
		Speech 101	3
	49-52		48

Junior Year	Hours	Senior Year	Hours
Education 301-302	6	Education 407	15
Education 411 or elective	3	Education 411 or elective	3
Education 462	3	English 401	3
English 301, 302, 303	9	English 452, 453	6
English 304, 305	6	English electives	12
Library Science 467	3	Humanities elective	3
Psychology 304-305-306	9	Social Science electives	6
Speech 207	3		—
Elective	3		48
	45		

The freshman and sophomore years of the curriculum in English leading to the Bachelor of Arts degree are similar to the first two years of the Bachelor of Science curriculum above. The junior and senior years will be devoted to completing major and minor requirements and approved electives.

Courses of Instruction in English

010. LABORATORY IN WRITING (0). F;W;S.
- 101-102-103. GRAMMAR AND COMPOSITION (3-3-3). F-W-S.
A study of grammar, sentence structure, principles of composition, vocabulary building; written compositions; introduction to literature.
- 201, 202, 203. ENGLISH LITERATURE (3-3-3). F,W,S.
A survey of English literature from its beginnings to the twentieth century.
Prerequisites: 101-102-103.
204. BACKGROUNDS OF ENGLISH LITERATURE (3). F;W;S.
A study in translation of masterpieces of classical European literature and their influence on English and American writers.
205. ELEMENTS OF JOURNALISM (3). F.
Writing news stories, editorials, features, and reviews; make-up of school and college newspapers.
206. ADVANCED COMPOSITION (3). F;W;S.
207. TYPES OF LITERATURE (3). W.
- 301, 302, 303. AMERICAN LITERATURE (3,3,3). F,W,S.
A survey of American literature from its beginnings to 1900.
304. TWENTIETH-CENTURY POETRY (3). F;W;S.
305. TWENTIETH-CENTURY FICTION (3). F;W;S.
307. ADVANCED ENGLISH GRAMMAR (3). F;W;S.
401. ADVANCED ENGLISH GRAMMAR (3). F;W;S.
For English and foreign language majors.
402. SEMINAR, ENGLISH LITERATURE (3). F.
403. SEMINAR, AMERICAN LITERATURE (3). S.

Senior-Graduate Courses

451. CHAUCER (3). F.
Reading and interpretation of selections from *The Canterbury Tales*.

452. SHAKESPEARE'S COMEDIES (3). F;S.
An analytical study of four representative comedies; oral and written reports on additional comedies and collateral reading.
453. SHAKESPEARE'S TRAGEDIES (3). W;S.
An intensive study of *Macbeth*, *Hamlet*, *King Lear*, and *Othello*; oral and written reports on additional tragedies and collateral reading.
454. POETRY OF THE ROMANTIC PERIOD (3). W.
A study of the poetry of Wordsworth, Coleridge, Shelley, Byron, and Keats, with some attention to the minor poets of the period.
455. POETRY OF THE VICTORIAN PERIOD (3). S.
A study of the poetry of Tennyson, Browning, Arnold, Rossetti, Swinburne, and others.
456. MILTON (3). S.
Rapid reading of Milton's poetry, with major emphasis on *Paradise Lost* and *Paradise Regained*. Collateral readings from the prose works.
457. ENGLISH LITERATURE, 1660-1744 (3). F.
English literature, exclusive of the drama, from the Restoration to the death of Pope.
458. ENGLISH LITERATURE, 1744-1798 (3). W.
English literature, exclusive of the drama, from the death of Pope to the beginning of the Romantic period. Supplementary reading from the major novelists.
459. BALLADS AND FOLK SONGS (3). W.
Designed primarily for the evaluation and enjoyment of ballads and folk songs; recordings of native ballad singers are used.
- 460 [500]. MODERN DRAMA (3). W.
A study of Continental, British, and American drama from Ibsen to the present, with emphasis on social and literary values.
461. SPENSER (3). W.
A careful study of *The Faerie Queene*, with some attention to the minor poems.

Graduate Courses

500. BIBLIOGRAPHY AND RESEARCH (3). F;SS.
A study of bibliographical problems, types of research, organization and reporting of research. Required in the first quarter of beginning graduate students.
501. ENGLISH DRAMA, 1550-1600 (3). F.
502. ENGLISH DRAMA, 1600-1642 (3). W.
Prerequisite: English 501.
503. NON-DRAMATIC LITERATURE OF THE ELIZABETHAN PERIOD (3). S.
504. THE AMERICAN NOVEL (3). F.
The development of the American novel from Charles Brockden Brown to World War I, a study of representative novels.
505. SOUTHERN LITERATURE (3). SS.
A study of the major Southern writers and their contribution to American literature.

- 506 [500]. HISTORY OF THE ENGLISH LANGUAGE (3). F.
Origin and development of the language; the relation of English to other languages.
507. VICTORIAN PROSE (3). SS.
A study of selected writings by Macaulay, Newman, Carlyle, Ruskin, Arnold, and Pater.
508. AMERICAN LITERATURE (3). F.
Studies in American literature from its beginnings to 1830.
509. AMERICAN LITERATURE (3). W.
Studies in American Literature, 1830-1870.
510. AMERICAN LITERATURE (3). S.
Studies in American literature, 1870-1914.
511. AMERICAN LITERATURE (3). S.
Studies in American literature, 1900 to the present.
512. LITERARY CRITICISM (3). W.
The history of literary criticism from Aristotle to the end of the nineteenth century.
513. THE ENGLISH NOVEL (3). W.
The history of the novel in England from its beginnings to 1832.
514. THE ENGLISH NOVEL (3). S.
A study of the Victorian novel in its relation to the social, political, and economic background of the period.
520. RESTORATION AND EIGHTEENTH-CENTURY DRAMA (3). S.
548. INDEPENDENT STUDY (3-6). F;S;W.
550. MASTER OF ARTS THESIS (6). F;W;S;SS.

DEPARTMENT OF FOREIGN LANGUAGES

J. R. PRINCE, *Chairman*, C. H. BREDOW, J. W. HAMILTON, C. E. SCRUGGS, M. WALTERS.

The objectives of the Department of Foreign Languages are to teach students to pronounce, speak, understand, read, and write the language they are studying; to give them basic knowledge of the principles of the grammar and syntax of the language; to help them gather valuable and interesting information and materials about the country and peoples whose language they are studying; to introduce them to the literature in the language and help them gain an appreciation for its masterpieces; to prepare them to be better citizens of the world through knowledge of the languages and cultures of peoples; to help them appreciate and be enthusiastic about foreign languages.

A major in French or Spanish leading to the Bachelor of Arts degree consists of thirty-six quarter hours above the foreign language requirement, including 201, 202, 203, 305, 306 and twenty-one quarter hours in approved electives. The student is required to take the Aptitude Test and the Advanced Test of the Graduate Record Examination.

A minor in French or Spanish consists of eighteen quarter hours above the foreign language requirement, including 201, 202, 203 and nine quarter hours in approved electives.

A major in foreign languages leading to the Bachelor of Science degree and teacher certification consists of a minimum of forty-eight quarter hours in one

language above the course level of 103, including 104-105-106, 201, 202, 203, 305, 306, 307, 308, 451, and four courses from 301, 302, 303, 401, 402, 403; English 401. The student is required to take the Common Examinations of the National Teacher Examinations and the Foreign Language Proficiency Test of the Modern Language Association.

The Department of Foreign Languages requires as a prerequisite to graduate work thirty-six quarter hours of language study above the elementary level. A graduate student who does not have adequate undergraduate credits may begin graduate study if at the same time he is building up his undergraduate hours to the required level. For the Master's degree thirty-three quarter hours are required in the major field, French or Spanish, twelve in education and nine in approved electives. The latter may be in the major field, in another language, in education or in another field, such as English. The only required course is Bibliography and Research, but there are several preferred electives. For further advice, consult the Chairman of the Department of Foreign Languages.

Curriculum in Foreign Languages Leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year	Hours	Sophomore Year	Hours
Education 100	1	Biology 101-102-103	9
English 101-102-103	9	English 201, 202, 203	9
Foreign Language 101-102-103 or 104-105-106	9	Foreign Language 104-105-106 or 201, 202, 203	9
History 101, 102, 103	9	History 201, 202	6
Mathematics 101-102-103	9	Humanities elective	3
Physical Education	3	Physical Education	3
A Physical Science	9-12	Psychology 201	3
		Social Science elective	3
	48-51	Speech 101	3
			48

Junior Year	Hours	Senior Year	Hours
Education 301-302	6	Education 407	15
Education 412	3	English 401	3
Foreign Language 201, 202, 203 or electives	9	Foreign Language	12
Foreign Language 305, 306	6	Humanities elective	3
Foreign Language 307, 308, 451	9	Electives	12
Psychology 304-305-306	9		
Social Science elective	3		45
Elective	3		
	48		

The department recommends that a major in foreign language use electives to build up a teaching competence in a related field.

The freshman and sophomore years of the curriculum in foreign languages leading to the Bachelor of Arts degree are similar to the first two years of the Bachelor of Science curriculum above. The junior and senior years will be devoted to completing major and minor requirements and approved electives.

THE FOREIGN LANGUAGE LABORATORY

The Department of Foreign Languages has a thirty-booth electronic language laboratory. Each booth is equipped with a dual-channel tape recorder, a microphone, and activated earphones. In the laboratory students listen and respond to prerecorded tapes which deal with the material covered in their courses. The main purpose of the laboratory is to increase the student's ability to pronounce, speak, and understand the language. The department believes that the laboratory increases the efficiency of language learning and that the extra hours spent in the laboratory can be the student's most productive study time.

Courses of Instruction in Foreign Languages

FRENCH

- 101-102-103. ELEMENTARY FRENCH (3-3-3). F-W-S.
The essentials of French grammar, vocabulary and idioms; conversational texts used to develop fluent speech and accurate pronunciation. Open to those with no previous preparation in French or those who make a low score on the French test. Recitation three hours and laboratory two hours. No credit is given in an elementary foreign language until the year course is completed.
- 104-105-106. INTERMEDIATE FRENCH (3-3-3). F-W-S.
Review of French grammar and idioms covering advanced principles; aural-oral practice in classroom and laboratory; readings in French from selected texts. Prerequisite: two units of high school French and a good score on French test or 101-102-103. Recitation three hours and laboratory two hours.
- 201, 202, 203. CONVERSATIONAL FRENCH (3,3,3). F,W,S.
A course to give practical experience in speaking French; students converse with each other, take dictation, memorize and recite dialogues, ask and answer questions; some composition in French. Prerequisite: 104-105-106 or the equivalent. Recitation three hours and laboratory two hours.
- 301, 302, 303. FRENCH LITERATURE TO 1800 (3,3,3). F,W,S.
A survey of the development of the French language and literature; extensive outside reading; class text material chosen from great authors; class reports on plays. 301 approximately to 1630; 302 the seventeenth century or the classic period; 303 the eighteenth century. Prerequisite: 104-105-106 or the equivalent. Lecture three hours and laboratory work.
- 305, 306. FRENCH CIVILIZATION (3,3). F,W.
A brief study of the history, government, geography, art, music, customs, educational system of France. A course designed to give useful information about the people who speak French; background reading and study. Prerequisite: 104-105-106 or the equivalent. Lecture three hours and laboratory work.
- 307, 308. ADVANCED GRAMMAR AND COMPOSITION (3,3). F,W.
A study of French grammar, idioms and syntax. Stress on difficult points of grammar which were not covered in earlier courses. Writing of original compositions and translations from English to French. The purpose is to give students a thorough knowledge of French grammar. Prerequisite: French 104-105-106.
- 401, 402, 403. FRENCH LITERATURE OF THE NINETEENTH AND TWENTIETH CENTURIES (3,3,3). F,W,S.
A survey of French literature in modern times; text material chosen from the great authors; class reports on plays; extensive outside readings. 401 covers the Romantic period; 402 from about 1850 to 1920; 403 modern contemporary

literature particularly since World War II. Prerequisite: 104-105-106 or the equivalent. Lecture three hours and laboratory work.

Senior-Graduate Courses

451. FRENCH PHONETICS AND DICTION (3). S;SS.
An analysis of the phonetic system of French, studying the physical and linguistic basis of French sound production. Use of the laboratory for ear training, along constant study and practice in the proper manner and production of French sounds. Offered 1965 SS.
453. HISTORY OF THE FRENCH LANGUAGE (3). S;SS.
A general study of the development of the French language from its beginnings to the present day with special emphasis on how it was formed from Latin along with the other elements which contributed to it. Some readings from Old French texts. Consideration of the elements which cause linguistic change. Offered 1967 SS.
456. ADVANCED CONVERSATION (3). F;SS.
A course designed to improve the students' fluency of expression in French so that they may have vocabulary and syntax sufficient to express their thoughts in conversation at normal speed with good pronunciation. Offered 1966 SS.
457. FRENCH CULTURE AND CIVILIZATION (3). S;SS.
A course designed to give the students an enlightened understanding of French culture and increase their knowledge of the geography, history, art, educational system, government and social customs of the French people. Offered 1965 SS.
459. LINGUISTICS AND LANGUAGE ANALYSIS (3). W;SS.
A course designed to give a knowledge of descriptive, comparative and structural linguistics in relation to Romance languages, enabling students to apply these principles to language structures in French, and be better able to analyze the learning problems of their students. Offered 1967 SS.
461. FRENCH DRAMA TO 1690 (3). F;SS.
A study of French drama from its earliest beginnings through the Classic Period. Emphasis is placed on the plays of Corneille, Moliere, and Racine. Outside readings and class reports. Offered 1967 SS.
463. FRENCH POETRY TO 1700 (3). W;SS.
A study of the development of French poetry from its beginnings in the epics; the study of Villon and other early poets; the Pleiade poets, such as Ronsard and Du Bellay; the Classicists, La Fontaine and Boileau. Offered 1966 SS.
499. FRENCH LANGUAGE INSTITUTE (NDEA) (12). SS.
Twelve quarter hours credit in French or education. Eight weeks participation required in one of the Summer Language Institutes sponsored under the National Defense Education Act. Concentrated work in French civilization, language practice, conversation, linguistics, reading, writing, methodology, and laboratory practice and techniques.

Graduate Courses

500. BIBLIOGRAPHY AND RESEARCH (3). SS.
A study of the bibliographical problems, the types of research, the literature, and methods of writing in the language field. Required of all students in the first summer of graduate study.
505. ADVANCED COMPOSITION AND SYNTAX (3). SS.
Practice in original, descriptive, and narrative compositions in the language with attention to French style, syntax, idioms, and verb forms. The purpose

of the course is to perfect the students' ability to write correctly in French. Offered 1966 SS.

510. TEACHING PROBLEMS, MATERIALS AND EQUIPMENT (3). SS.
A seminar type course for experienced teachers designed for an exchange of ideas on successful teaching methods, materials and equipment. Discussion of current practices; extensive readings, particularly in the recent literature of methodology; testing of materials, and increased experience in the use of mechanical equipment. Offered 1965 SS.
518. THE EIGHTEENTH CENTURY PHILOSOPHES (3). SS.
A study of the development of free thought after the age of Louis XIV. The influence of the lives, works, and ideas of Voltaire, Rousseau, Montesquieu, and Diderot and the compilation of the *Encyclopedie*. The manner in which this age of enlightenment shaped history is emphasized. Offered 1965 SS.
520. FRENCH ROMANTICISM (3). SS.
A study of the precursors of Romanticism; the Romantic poetry of Lamartine, Hugo, Vigny and Musset; the Romantic drama with its innovations; the Romantic novels of Hugo, Stendhal, Dumas, George Sand and others. Offered 1966 SS.
521. POST-ROMANTIC NINETEENTH CENTURY FRENCH LITERATURE (3). SS.
A study of works of poets, such as Baudelaire, Verlaine, Rimbaud and Mallarme; novelists, such as Flaubert, Balzac, Zola, and Maupassant; playwrights such as Dumas, Augier, Maeterlinck and Rostand. Offered 1967 SS.
523. TWENTIETH CENTURY NOVELS (3). SS.
A study of the novels and novelists from 1900 to the present. Emphasis is placed on recent or present-day writers, including Andre Gide, Marcel Proust, Colette, Andre Malraux, Francois Mauriac, Julien Green, Antoine de St. Exupery, Albert Camus. Offered 1967 SS.
525. TWENTIETH CENTURY DRAMA (3). SS.
Plays of the first part of the century are studied, such as those of Claudel and Rostand. Emphasis is on the present or recent dramatists, such as Giraudoux, Cocteau, Sartre, Anouilh, Camus, Becket, and Ionesco. Consideration is given to the present state of the French theatre. Offered 1966 SS.

SPANISH

- 101-102-103. ELEMENTARY SPANISH (3-3-3). F-W-S.
The essentials of Spanish grammar, vocabulary and idioms, conversational texts used to develop fluent speech and accurate pronunciation. Open to those with no previous preparation in Spanish or those who make a low score on Spanish test. Recitation three hours and laboratory two hours. No credit is given in an elementary foreign language until the year course is completed.
- 104-105-106. INTERMEDIATE SPANISH (3-3-3). F-W-S.
Review of Spanish grammar and idioms covering advanced principles; aural-oral practice in classroom and laboratory; readings in Spanish from selected texts. Prerequisite: two units of high school Spanish and a good score on Spanish test or Spanish 101-102-103. Recitation three hours and laboratory two hours.
- 201, 202, 203. CONVERSATIONAL SPANISH (3,3,3). F.W.S.
A course to give practical experience in speaking Spanish; students converse with each other, take dictation, memorize and recite dialogues, ask and answer questions; some composition in Spanish. Prerequisite: Spanish 104-105-106 or the equivalent. Recitation three hours and laboratory two hours.
- 301, 302, 303. SURVEY OF SPANISH LITERATURE (3,3,3). F.W.S.
A study of the masterpieces of Spanish literature particularly the *Siglo de Oro*, Don Quijote, the Romantic period and the regional novel; class texts chosen

from greatest authors; extensive outside readings and class reports. Prerequisite: Spanish 104-105-106 or the equivalent. Lecture three hours and laboratory work.

- 305, 306. **HISPANIC CIVILIZATION** (3,3). F,W.
A brief study of the history, government, geography, art, music, customs, educational systems of Spain and the Spanish-American countries. A course designed to give useful information about the people who speak Spanish; background reading and study. Prerequisite: Spanish 104-105-106. Lecture three hours and laboratory work.
- 307, 308. **ADVANCED GRAMMAR AND COMPOSITION** (3,3). F,W.
A study of Spanish grammar; idioms and syntax. Stress on difficult points of grammar which were not covered in earlier courses. Writing of original compositions and translations from English to Spanish. The purpose is to give students a thorough knowledge of Spanish grammar so that they will be well prepared as teachers. Prerequisite: Spanish 104-105-106.
- 401, 402, 403. **SURVEY OF SPANISH-AMERICAN LITERATURE** (3-3,3). F,W,S.
The most important writings from the various Spanish, American countries; class text material chosen from the writings of the main literary figures from colonial times to the present; extensive background readings in literature and on literary figures. Prerequisite: Spanish 104-105-106 or the equivalent. Lecture three hours and laboratory work.

Senior-Graduate Courses

451. **SPANISH PHONETICS AND DICTION** (3). S;SS.
An analysis of the phonetic system of Spanish, studying the physical and linguistic basis of Spanish sound production. Use of laboratory for ear training, along with constant study and practice in the proper manner and production of Spanish sounds. Offered 1965 SS.
453. **HISTORY OF THE SPANISH LANGUAGE** (3). S;SS.
A general study of the phonological and morphological development of the Spanish language from Latin to the present. Lectures and readings from the old texts to trace the origin, evolution and development of the Castilian language and that now spoken in South America. Consideration of the elements which cause linguistic change. Offered 1967 SS.
456. **ADVANCED CONVERSATION** (3). F;SS.
A course designed to improve the students' fluency of expression in Spanish so that they may have vocabulary and syntax sufficient to express their thoughts in conversation at normal speed with good pronunciation. Offered 1966 SS.
457. **HISPANIC CULTURE AND CIVILIZATION** (3). S;SS.
A course designed to give the students an enlightened understanding of the general culture of Spain and the Spanish-American countries, and increase their knowledge of the geography, history, art, educational system, government and social customs of the Hispanic peoples. Offered 1965 SS.
459. **LINGUISTICS AND LANGUAGE ANALYSIS** (3). W;SS.
A course designed to give a knowledge of descriptive, comparative and structural linguistics in relation to Romance languages, enabling students to apply these principles to language structures in Spanish, and be better able to analyze the learning problems of their students. Offered 1967 SS.
461. **NINETEENTH CENTURY PROSE** (3). F;SS.
The non-dramatic fiction of the nineteenth century with special emphasis on the Regional novel. Readings from Pedro A. de Alarcon, Perez Galdos, Pardo Bazan, Valera, Pereda, Blasco Ibanez, and others. Offered 1967 SS.
463. **CONTEMPORARY SPANISH LITERATURE** (3). W;SS.
A study of the modern renaissance in the artistic and cultural life of Spain,

impelled by the Generation of '98. Also a study of the poetry of Garcia Lorca and Juan Ramon Jimenez, the plays of Casona and Buero Vallejo and the modern novels of various writers. Offered 1967 SS.

499. SPANISH LANGUAGE INSTITUTE (NDEA) (12) . SS.
Twelve quarter hours credit in Spanish or education. Eight weeks participation in one of the Summer Language Institutes sponsored under the National Defense Act is required. Concentrated work in Hispanic civilization, language practice, linguistics, reading, writing, methodology, and laboratory practice and techniques.

Graduate Courses

500. BIBLIOGRAPHY AND RESEARCH (3) . SS.
A study of the bibliographical problems, the types of research, the literature, and methods of writing in the language field. Required of all students in the first summer of graduate study.
505. ADVANCED COMPOSITION AND SYNTAX (3) . SS.
Practice in original, descriptive and narrative compositions in the language with attention to Spanish style, syntax, idioms, and verb forms. The purpose of this course is to perfect the students' ability to write correctly in Spanish. Offered 1966 SS.
510. TEACHING PROBLEMS, MATERIALS AND EQUIPMENT (3) . SS.
A seminar type course for experienced teachers designed for an exchange of ideas on successful teaching methods, materials and equipment. Discussion of current practices; extensive readings, particularly in the recent literature of methodology; testing of materials, and increased experience in the use of mechanical equipment. Offered 1965 SS.
512. THE PICARESQUE NOVEL, CERVANTES AND GOLDEN AGE PROSE (3) . SS.
The development of the Picaresque novel, beginning with *Lazarillo de Tormes*; a study of *Don Quijote* and Cervantes' other prose works, and of the chivalric and pastoral novels of the time. Offered 1965 SS.
514. GOLDEN AGE DRAMA I (3) . SS.
Lope de Vega and his contemporaries. Beginning with the precursors of Lope de Vega, Juan del Encina, Torres Naharro, Lope de Rueda and Juan de la Cueva. The course covers the outstanding works of Lope de Vega and some of the plays of Tirso, Alarcon, and Guillen de Castro. Offered 1965 SS.
515. GOLDEN AGE DRAMA II (3) . SS.
Calderon and his contemporaries. Calderon de La Barca, Rojas Zorrilla and Augustin Moreto are studied with emphasis on the important works of Calderon, including his *autos sacramentales*. Offered 1966 SS.
519. NINETEENTH CENTURY DRAMA AND VERSE (3) . SS.
An intensive study of Spanish theatre and verse from Romanticism to the Generation of '98, including works of Espronceda, Becquer, Campoamor, Zorrilla, Duque de Rivas, Hartzenbusch, and others. Offered 1966 SS.
522. SPANISH-AMERICAN LITERATURE TO 1888 (3) . SS.
The extension of Spanish peninsular literature in the colonies, beginning with *cartas* and *relaciones* of the *conquistadores*, the epic and lyric poets, and all literature down to *Modernismo*. Emphasis is given to the *gauchesca* literature. Offered 1966 SS.
523. CONTEMPORARY SPANISH-AMERICAN LITERATURE (3) . SS.
The birth of *modernismo*, and its influence on world literature. The maturing of Spanish-American prose, *novela* and *cuento*, in the twentieth century, with readings from various novelists. Offered 1967 SS.

GERMAN**101-102-103. ELEMENTARY GERMAN**

(3-3-3). F-W-S.

The essentials of German grammar, vocabulary and idioms; conversational texts used to develop fluent speech and accurate pronunciation. Open to those with no previous preparation in German or those whose previous preparation is inadequate. Recitation three hours and laboratory two hours. No credit is given in an elementary foreign language until the year course is completed.

104-105-106. INTERMEDIATE GERMAN

(3-3-3). F-W-S.

Rapid review of German grammar and idioms covering the more advanced principles; aural-oral practice in classroom and laboratory; readings in German from selected texts. Prerequisite: German 101-102-103 or the equivalent. Recitation three hours and laboratory two hours.

DEPARTMENT OF GEOGRAPHY AND GEOLOGY

J. C. YODER, *Chairman*, T. E. EPPERSON, JR., W. A. IMPERATORE, M. B. MOREHEAD, R. E. REIMAN.

A major in geography and geology leading to the Bachelor of Arts Degree consists of forty-five quarter hours, including Geography 101, 102, 103, 210, 410, Geology 201-202, 203, and twenty-one quarter hours in approved electives. A student is required to take the Aptitude Test and the Advanced Test of the Graduate Record Examination.

A minor in geography and geology consists of twenty-four quarter hours, including Geography 101, 103, 410, Geology 201-202, and nine quarter hours in approved electives.

A major in geography and geology leading to the Bachelor of Science degree and teacher certification consists of forty-eight quarter hours, including Geography 101, 102, 103, 210, 410, 450, 451, Geology 201-202, 203, Political Science 203, and fifteen hours in approved electives. A student is required to take the Common Examinations and the Advanced Test, if available, of the National Teacher Examination.

For the curriculum in social science leading to the Bachelor of Science degree and teacher certification, see page 158.

Curriculum in Geography and Geology Leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year	Hours	Sophomore Year	Hours
Education 100	1	Biology 101-102-103	
English 101-102-103	9	or 104-105-106	9-12
Geography 101, 102, 103	9	Economics 200	3
History 101, 102, 103	9	English 201, 202, 203	9
Mathematics 101-102-103	9	Geology 201-202	6
Physical Education	3	Geography 210	3
A Physical Science	9-12	History 201, 202, 203	9
	—	Physical Education	3
	49-52	Psychology 201	3
		Speech 101	3
			—
			48-51

Junior Year	Hours	Senior Year	Hours
Education 301-302	6	Education 407	15
Education 410 or elective	3	Education 410 or elective	3
Geology 203	3	Geography 450, 451	6
Geography 410	3	Geography electives	6
Geography electives	9	Electives	15
Humanities electives	6		
Political Science 201, 203	6		45
Psychology 304-305-306	9		
Sociology 201	3		
	48		

The freshman and sophomore years of the curriculum in geography and geology leading to the Bachelor of Arts degree are similar to the first two years of the curriculum above. The junior and senior years will be devoted to completing major and minor requirements, foreign language requirements, and approved electives.

Courses of Instruction in Geography and Geology

GEOGRAPHY

101. PHYSICAL GEOGRAPHY (3). F;W;S.
The earth's astronomical relations, factors of weather and climate, and physical features.
102. WORLD REGIONS (3). F;W;S.
Relation of human activities to the larger geographic regions of the world.
103. ECONOMIC AND COMMERCIAL GEOGRAPHY (3). F;W;S.
Geographic factors involved in production, distribution, consumption, and conservation of the major crops, minerals, and industries of the world.
210. WEATHER AND CLIMATE (3). F.
The basic elements of weather and instruments used to measure and record them are considered. The world pattern and characteristics of climates are examined using the Koeppen system of climatic classification.
301. GEOGRAPHY OF EUROPE (3). F.
Continental and world trade, cultural factors, geographic factors of the regions and countries of Europe.
302. GEOGRAPHY OF SOUTH AMERICA (3). W.
Geographic regions, political divisions, commerce, industry, and prospects for the future. Not offered in 1965-66.
303. GEOGRAPHY OF ASIA (3). S.
Climate, relief, natural resources, social and political problems, and economic activities. Not offered in 1965-66.
304. GEOGRAPHY OF AFRICA (3). S.
The peoples, regions, climates, resources, and economic activities of the continent.
305. GEOGRAPHY OF RUSSIA (3). F.
The location, population, political status, natural environment, economy, problems, and potentialities of the U.S.S.R. Not offered in 1965-66.
306. GEOGRAPHY OF MIDDLE AMERICA (3). W.
A study of the climate, peoples, products, trade, and problems of Mexico, the Central American countries, and the major islands of the West Indies.

310. CARTOGRAPHY AND GRAPHICS (3) . W.
Theory and practice in map and chart design and construction. Emphasis on techniques, use of source data for map construction, and graphic presentation of statistical materials. Not offered in 1965-66.
401. CONSERVATION OF NATURAL RESOURCES (3) . On demand.
Conservation problems and techniques of water, soil, minerals, plants, animals, and human resources.
402. FIELD METHODS IN GEOGRAPHY (3) . S.
Methods in measurements, observation, recording, and synthesis of field data. Field analysis of all features in one small type area required, including completed maps and written report.
410. MAPS AND AERIAL PHOTOGRAPHS (3) . W.
Theory and procedure for practical interpretation of cultural and natural features as reflected by maps and aerial photographs.

Senior-Graduate Courses

450. GEOGRAPHICAL INFLUENCES IN AMERICAN HISTORY (3) . W.
Man's reaction to and use of environmental factors as he occupied the territory of the United States.
451. GEOGRAPHY OF THE SOUTH (3) . W.
An intensive regional study of southern United States. Special attention is given to climate, soils, land use, minerals, industries, and current cultural patterns.

Graduate Courses

502. URBAN GEOGRAPHY (3) . S.
An analysis of urban centers from historical development through the contemporary city: Emphasis to be placed on classification, site and situation, distribution, functions and patterns of land use, culminating in urban problems, trends, and city planning.
505. GEOGRAPHY OF ANGLO-AMERICA (3) . F.
The soils, climate, minerals, crops, industries, biotic resources and their world relations as reflected by geographic factors.
- 506 [516]. GEOGRAPHIC ASPECTS OF WORLD AFFAIRS (3) . S.
A geographic analysis of major world movements and events associating the physical environment with social, political, and racial factors.
540. SEMINAR (3-6) . S.
A specialized course involving advanced study, research, and writing by small groups in selected areas. Students may enroll twice in this course for a credit totaling six quarter hours, but in no case shall students receive credit for a seminar which duplicates the content of one for which they have previously received credit.

GEOLOGY

- 201-202. PHYSICAL GEOLOGY (3-3) .F-W;S.
Scientific description of the composition of the earth, physical processes which change the earth's surface with special emphasis given to geology of the Southeastern states. Lecture two hours, laboratory two hours.
203. HISTORICAL GEOLOGY OF EASTERN NORTH AMERICA (3) . F;S.
History of the earth and its inhabitants as related to Eastern North America. Prerequisite: 201-202. Lecture two hours, laboratory two hours.

310. MINERALOGY (4) . W.
A study of the basic fundamentals of crystallography, physical, chemical, and descriptive mineralogy. Crystals and minerals will be studied both in section and in hand specimens, but more emphasis will be placed on hand specimens. Lecture three hours, laboratory two hours.

Senior-Graduate Courses

450. EARTH SCIENCE (3) . F;W;S.
A treatment of the earth in space with emphasis on the solar system; the elements of weather and climate; the lithosphere; the effects of weathering, erosion, and diastrophism; and the formation and characteristics of the major soil groups of the world.
455. GEOMORPHOLOGY (3) . F.
A study of the processes involved in the production of land and submarine forms, and the results of the interaction of these processes with the lithosphere. Lecture two hours, laboratory two hours.
460. PALEONTOLOGY (3) . SS.
A study of the classification, morphology, and distribution of fossils with reference to geological time. Special attention is given to invertebrate index fossils. Same as Biology 460. Offered 1967 SS.

DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

MARSHALL L. WALTERS, *Chairman*, V. BALL, E. BLOODWORTH, J. CULLIVAN, E. B. DEGROAT, J. H. DUNCAN, C. H. HODGES, F. L. HOOVER, R. G. LIGHT, C. G. MEEKS, R. E. THOMAS, R. M. TOMLINSON, R. W. WATKINS.

The objectives of the department are:

1. To prepare teachers in health education, physical education, and recreation for the public schools and related agencies.
2. To prepare athletic coaches for the schools.
3. To provide health instruction which will lead to healthful living.
4. To provide experience in physical education activities which will lead to acquisition of skill and fitness with leisure-time or recreational value.
5. Through group and individual guidance to strive for optimum development of personality.
6. To uphold and promote high ethical standards in the profession.

A major in health and physical education leading to the Bachelor of Science degree, Program A, consists of fifty-four quarter hours, including Health 101, 102, 103, Physical Education 210, 211, 212, 215, 307, 320, 410, 412, 450, and thirty quarter hours in approved electives. A student is required to take the Aptitude Test and the Advanced Test, if available, of the Graduate Record Examination.

A minor in health and physical education leading to the Bachelor of Science degree, Program A, consists of twenty-four quarter hours, courses to be selected in conference to meet individual needs.

A major in health and physical education leading to the Bachelor of Science degree and teacher certification consists of sixty-three quarter hours, in addition to General Education requirements, including Health 101, 102, 103, 401, Physical Education 210, 211, 212, 215, 307, 312, 320, 350, 351, 352, 410, 412, 450 and six skills and techniques courses from 330 through 344. A student is required to take the Common Examination and the Physical Education Examination of the National Teacher Examinations.

Curriculum in Health and Physical Education Leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year	Hours	Sophomore Year	Hours
Biology 104-105-106	12	English 201, 202, 203	9
Education 100	1	History 201, 202	6
English 101-102-103	9	Humanities elective	3
Health 101 102, 103	9	Physical Education 210, 211, 212	9
History 101, 102, 103	9	Physical Education 215	3
Mathematics 101-102-103	9	Physical Education Skills	6
Physical Education	3	A Physical Science	9-12
	—	Psychology 201	3
	52	Speech 101	3
			—
			51-54
Junior Year	Hours	Senior Year	Hours
Anthropology 210 or 310	3	Education 404	15
Education 301-302	6	Education 414 or	
Education 414 or		Social Science elective	3
Social Science elective	3	Physical Education 410, 412, 450	9
Health 401	3	Physical Education Skills	6
Music 217 or Art 217	3	Electives	12
Physical Education 307, 312, 320	9		—
Physical Education 350, 351, 352	3		45
Physical Education Skills	6		
Psychology 301-302-303	9		
	—		
	45		

The freshman and sophomore years of the curriculum in health and physical education leading to the Bachelor of Science degree, Program A, are similar to the first two years of the curriculum above. The junior and senior years will be devoted to completing major and minor requirements and approved electives.

Courses of Instruction in Health and Physical Education

HEALTH

101. PERSONAL HEALTH (3) . F;SS.
Personal health and hygiene, total fitness: physical, mental, emotional.
102. FAMILY AND COMMUNITY HEALTH (3) . W;SS.
Family health problems: planning a family, child care, diet and nutrition, common diseases, school and community health factors, analysis of public and private health organizations.
103. FIRST AID AND SAFETY (3) . S;SS.
Principles and practices as applied to emergency first aid, civilian defense, safety in the home, school, and community.
201. FUNDAMENTALS OF HEALTH (3) . F;W;S;SS.
A study of personal, family, community and school health needs.
401. METHODS AND MATERIALS IN HEALTH EDUCATION (3) . F;W;S;SS.
The theory and practice in planning various types of health education programs on various levels; development of teaching and promotional material; materials and resources desirable for such programs.

Senior-Graduate Courses

452. SAFETY EDUCATION (3) . W;SS.
Study of safety procedures and techniques and programs; analysis of Safety Council statistics and their meaning for school and community; industrial safety programs applicable to the school; driver education programs; planning

community safety educational programs and campaigns; safety in sports and recreation.

PHYSICAL EDUCATION

Entering freshmen take a screening test in swimming and in body skills and fitness. Results of these tests are used for student placement in physical education.

Students who cannot swim are required to take Physical Education 111. All others may take Physical Education 112 or 113. Students who cannot pass the minimum skill and fitness tests are required to take Physical Education 110, a course in which the student receives instruction in balance, agility, strength, speed, coordination, body skill and life-time fitness exercises.

All freshman students will be *assigned* to physical education sections during the college year, 1965-66.

Physical education courses in General Education need not be taken in any particular sequence, except that those who fail the swimming and fitness tests must take these courses first.

Physical education majors take one activity course each quarter, a total of three quarter hours, in their freshman year. Thereafter they take skills and techniques courses.

Gym suits are furnished and laundered by the college for on-campus activity classes. Students furnish their own white athletic socks, white rubber-soled shoes, jackets, swimming suits, badminton and tennis racquets. Towel service is provided.

The following courses are open to all students to fulfill the General Education requirements of six quarter hours of physical education:

110. BASIC MOVEMENT	(1) . F;W;SS.
111. BEGINNING SWIMMING	(1) . F;W;S;SS.
112. INTERMEDIATE SWIMMING	(1) . W;S.
113. ADVANCED SWIMMING	(1) . W;S.
114. TENNIS AND BADMINTON	(1) . F;S;SS.
115. FOLK AND SOCIAL DANCE	(1) . W.
117. GOLF (FEE OF \$14.00 PER QUARTER)	(1) . F;S.
118. BOWLING (FEE OF \$14.00 PER QUARTER)	(1) . F;W;S.
120. BASKETBALL	(1) . W.
121. SOCCER AND TUMBLING FOR MEN	(1) . F;S.
122. VOLLEYBALL AND ARCHERY FOR WOMEN	(1) . F;S.
123. VOLLYBALL AND ARCHERY FOR MEN	(1) . F;S.
124. SOFTBALL AND GYMNASTICS	(1) . F;S.
125. WINTER SPORTS	(1) . W.
130. ADAPTED PHYSICAL EDUCATION	(1) . F;W;S.
200. BEGINNING SKIING (FEE OF \$35.00)	(1) . W.
202. INTERMEDIATE SKIING (FEE OF \$35.00)	(1) . W.
203. ADVANCED FOLK AND SOCIAL DANCE	(1) . W.
204. SQUASH RACQUETS	(1) . S.
205. MODERN DANCE	(1) . W.
206. WRESTLING	(1) . F.
207. FIELD HOCKEY FOR WOMEN	(1) . S.
208. TRACK AND FIELD FOR MEN	(1) . S.
209. FENCING	(1) . F.

210. HUMAN ANATOMY (3) . F;SS.
A study of the structure of the human body as related to physical education and human activity. Prerequisite: Biology 104-105-106. Offered 1967 SS.
211. HUMAN PHYSIOLOGY (3) . W;SS.
A study of the basic functions of the human organism. Prerequisite: 210 or equivalent. Offered 1966 SS.
212. PHYSIOLOGY OF MUSCULAR ACTIVITY (3) . S;SS.
A study of the application of physiological principles to muscular and organic action of the human. Prerequisite: 211 or equivalent. Lecture two hours, laboratory two hours. Offered 1966 SS.
215. HISTORY OF PHYSICAL EDUCATION (3) . F;W;S.
An orientation into the field of physical education through the study of historical backgrounds, systems and organizations, leaders and movements, programs and sports of the past and present.
307. KINESIOLOGY (3) . W;S;SS.
Mechanical and anatomical fundamentals, plus the physics of human motion. Analysis of motion in sports and physical education. Prerequisite: 210. Lecture two hours, laboratory two hours. Offered 1966 SS.
312. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION (3) . W;S;SS.
Organization, administration, supervision, planning and evaluation of the physical education program on various levels. Topics considered are facilities and maintenance, budgets and purchasing, program planning, staff needs, varsity and intramural athletics and sports, leagues and tournaments, public relations and communication media.
320. PRINCIPLES AND PHILOSOPHIES OF HEALTH
AND PHYSICAL EDUCATION (3) . F;W;S;SS.
A summarization of the historical and present concepts, principles, and philosophies which relate to and influence health, physical education, and recreation.

Skills and Techniques

A physical education major is required to take a minimum of six skills and techniques courses from 330 through 344. The choices depend upon the student's background and experience and his needs and future plans in teaching or coaching.

Each of the following courses deals with how to perform and how to teach the subject. Each course contains fundamental skills, conditioning and training, curriculum planning, drills and lead-up activities, rules, officiating, resources, and methods of evaluating results. Each course meets five hours per week including discussion and laboratory.

330. GYMNASTICS AND TUMBLING (3) . F;W.
331. AQUATICS (3) . F;W;S;SS.
332. TENNIS AND BADMINTON (3) . F;S;SS.
333. DANCE (3) . F;W.
334. VOLLEYBALL AND GOLF (3) . F.
335. TRACK AND FIELD FOR WOMEN (3) . S.
336. TRACK AND FIELD FOR MEN (3) . S.
337. BASKETBALL FOR WOMEN (3) . W.
338. BASKETBALL FOR MEN (3) . W;S.
339. FIELD HOCKEY FOR WOMEN (3) . F.
340. SOCCER AND RELATED SPORTS FOR WOMEN (3) . F.

341. SOCCER AND RELATED SPORTS FOR MEN (3) . S.
342. FOOTBALL FOR MEN (3) . F;S.
343. BASEBALL AND SOFTBALL FOR MEN (3) . S.
344. WRESTLING AND COMBATIVES FOR MEN (3) . W;S.
350. FUNDAMENTAL MOVEMENTS (1) . F;SS.
Learning to perform and to teach the fundamental movements of walking, running, skipping, jumping, climbing, throwing, catching, batting and other activities that make up the normal childhood play life of younger children. Required of majors in elementary education.
351. BASIC RHYTHMS (1) . W;SS.
Creative and folk rhythms, music, songs, mimetics, and other expressive activities. Required of majors in elementary education.
352. GAMES FOR THE ELEMENTARY SCHOOL (1) . S;SS.
Group games and relays appropriate to the classroom, playground, and play spaces. Required of majors in elementary education.
410 [401]. EVALUATION IN HEALTH AND PHYSICAL EDUCATION (3) . F;W;SS.
A theory and methods course in application of measurement, statistics, and evaluation in health and physical education programs. Offered 1966 SS.
412. CARE AND PREVENTION OF ATHLETIC INJURIES (3) . F;W;S;SS.
Prevention and care of injuries; safety devices, use of supports, massage, therapeutic techniques, and conditioning exercises: Prerequisites: Health Education 103, Physical Education 210, 211, 212, 307. Lecture two hours, laboratory two hours. Offered 1967 SS.

Senior-Graduate Courses

- 450 [409]. ADAPTED PHYSICAL EDUCATION AND RECREATION (3) . W;S;SS.
A survey of abnormalities and atypical cases, identification, preventive and corrective techniques, with activities designed to aid the atypical individual.
451. PLANNING A RECREATION PROGRAM (3) . S;SS.
Lecture and discussions on basic philosophy, principles and practices, current trends, financing the program, methods and procedures, leadership training, organization and administration, facilities, and equipment. Offered on Saturday, 1966 S.
453. ADVANCED FOOTBALL COACHING (3) . SS.
A study of modern methods of training, play patterns, game strategy, and seasonal planning for experienced coaches. Offered on Saturday 1967 S.
454. ADVANCED BASKETBALL COACHING (3) . SS.
A study of modern offense, defense, and training for experienced coaches.
455. ADVANCED TRACK AND FIELD COACHING (3) . SS.
A study and diagnosis of events in track and field for experienced coaches.
457. ADVANCED MODERN DANCE (3) . SS.
Study and analysis of the techniques and basic philosophy of the dance, choreography, composition, comparison of various "schools" of the dance, settings, costuming, and exhibitions. Offered 1967 SS.
460 [455]. CONTEMPORARY AND COMPARATIVE HEALTH AND PHYSICAL EDUCATION (3) . F;SS.
An extensive and intensive study of the health, physical education, recreation, and sports program in various countries of the world. A study of present programs and trends. Offered 1966 SS.

465. SEMINAR IN INDUSTRIAL AND DUAL SPORTS FOR MEN (3) . SS.
A study of individual sports, except aquatics and track and field. Offered 1966 SS.
466. SEMINAR IN TEAM SPORTS FOR MEN (3) . SS.
A study of team sports that are part of the programs of today, except basketball and football. Offered 1967 SS.

Graduate Courses

A graduate major in health and physical education consists of a minimum of 36 quarter hours including Physical Education 500. A program of studies will be determined through counseling to meet the needs and interests of the individual graduate student.

500. BIBLIOGRAPHY AND RESEARCH (3) . F;SS.
A study of bibliographical problems, types of research, organization and reporting of research. Required in the first quarter of beginning graduate students. Offered on Saturday, 1966 F.
501. SCIENTIFIC BASES OF HEALTH AND PHYSICAL EDUCATION (3) . W;SS.
Findings and theories in the various specialties and disciplines and how they apply to physical education. Offered on Saturday, 1965-66 W.
502. CURRICULUM DEVELOPMENT IN HEALTH AND PHYSICAL EDUCATION (3) . F;SS.
Study and evaluation of the curriculum and program development and construction of health and physical education for grades 1-12. Various approaches such as statistical data, survey methods, constituency analysis, state requirements of used. Offered on Saturday, 1967 F.
503. ANALYSIS OF NEURO-MUSCULAR ACTIVITY (3) . F;SS.
Anatomical, physiological, psychological, and mechanical principles applied to the analysis of skills and conditioning involved in neuromuscular activity. Prerequisites: Undergraduate courses in anatomy, physiology, kinesiology.
504. PHILOSOPHIES RELATED TO HEALTH AND PHYSICAL EDUCATION (3) . S;SS.
A study of the philosophies of outstanding leaders in health, physical education, and recreation, past and present. Offered on Saturday, 1966-67 W.
506. MEASUREMENT AND EVALUATION IN HEALTH AND PHYSICAL EDUCATION (3) . W;SS.
An analysis of the measurement and evaluation programs in health and physical education with specific emphasis on test selection, construction, administration, evaluation, and the organization and administration of measurement and evaluation programs. Offered on Saturday, 1965-66 W.
507. ORGANIZATION, ADMINISTRATION, AND SUPERVISION OF HEALTH AND PHYSICAL EDUCATION (3) . W;SS.
Recent trends in the theory and practice of supervision; training and qualifications of the supervisor on each level of school administration. Offered on Saturday, 1965 F.
508. ADMINISTRATION OF ATHLETICS (3) . S;SS.
Study and analysis of the organization, administration, and operation of the athletic program: schedules, contracts, equipment, insurance, travel, medical factors, officiating, and evaluation. Offered on Saturday, 1966 S.
509. SEMINAR IN HEALTH AND PHYSICAL EDUCATION (3) . S;SS.
Lecture, discussion, research, case studies, review, and summary of the fields of health and physical education and application of findings to specific areas of teaching and coaching experience.

512. SEMINAR IN DANCE AND RHYTHMICS (3) . W;SS.
Offered in 1966.
548. INDEPENDENT STUDY IN HEALTH AND PHYSICAL EDUCATION (3-6) . F;W;S;SS.
For those capable of independent field study and research.
550. MASTER OF ARTS THESIS (6) . F;W;S;SS.

DEPARTMENT OF HISTORY

J. M. DIXON, *Acting Chairman*, E. H. BOATMAN, E. S. DOUGHERTY, E. C. DROZDOWSKI, E. H. GIBSON, R. HOOVER, E. MELTON, M. O. PARTIN, L. K. PRITCHETT, V. O. STUMPF, L. VAN Noppen.

A major in history leading to the Bachelor of Arts degree consists of forty-two quarter hours above General Education requirements, including 203, 305 (3 hours) , and thirty-six quarter hours in approved electives. A student is required to take the Aptitude Test and the Advanced Test of the Graduate Record Examination.

A minor in history consists of eighteen quarter hours above General Education requirements, including 203, 305 (3 hours) , and twelve quarter hours in approved electives.

A major in history leading to the Bachelor of Science degree and teacher certification consists of at least thirty-six hours of history above General Education requirements, including History 203, 305 (3 hours) . A student is required to take the Common Examinations and the Advanced Test, if available, of the National Teacher Examination.

For the curriculum in social science leading to the Bachelor of Science degree and teacher certification, see page 158.

Curriculum in History Leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year	Hours	Sophomore Year	Hours
Education 100	1	Biology 101-102-103	
English 101-102-103	9	or 104-105-106	9-12
History 101, 102, 103	9	English 201, 202, 203	9
Mathematics 101-102-103		History 201, 202, 203	9
or 107-108	9-10	Humanities elective	6
Physical Education	3	Physical Education	3
A Physical Science	9-12	Political Science 201	3
Speech 101	3	Psychology 201	3
Elective	3	Sociology 201	3
	46-50		45-48

Junior Year	Hours	Senior Year	Hours
Education 301-302	6	Education 407	15
Education 410 or elective	3	Education 410 or elective	3
History electives	18	History electives	12
History 305	3	Electives	15
Psychology 304-305-306	9		—
Electives	6		45
	45		

The freshman and sophomore years of the curriculum in history leading to the Bachelor of Arts degree are similar to the first two years of the above curriculum. The junior and senior years will be devoted to completing major and minor requirements, foreign language requirements, and approved electives.

Courses of Instruction in History

- 101, 102, 103. WORLD CIVILIZATIONS (3,3,3) . F,W,S.
A survey of world civilizations: ancient civilization, medieval and early European civilizations; modern world civilization.
- 201, 202, 203. HISTORY OF THE UNITED STATES (3,3,3) . F,W,S.
A survey of the history of the United State, 1492-1840; 1840-1900; 1900-to date.
- 301, 302, 303. HISTORY OF ENGLAND (3,3,3) . F,W,S.
A survey of the history of England to 1485; 1485-1715; 1715-to date.
305. CURRENT HISTORY (1) . F;W;S.
State, national, and international current events.
306. NORTH CAROLINA SOCIAL STUDIES (3) . F;W;S.
A study of the geography, history, economic, and social problems of North Carolina.
310. HISTORY OF EUROPE, 1500-1648 (3) . F.
A survey of European history, designed to present a broad perspective of the period from the Protestant Revolt to the close of the Thirty Years War.
311. HISTORY OF EUROPE, 1648-1815 (3) . W.
A survey of the political, social, economic, and intellectual history of Europe from the close of the Thirty Years War to the end of the Napoleonic era.
- 312 [454]. HISTORY OF EUROPE, 1815-1914 (3) . S.
The political, social, economic, intellectual, religious, and aesthetic aspects of European culture from 1815 to 1914.
- 313 [455]. HISTORY OF EUROPE, 1914 — PRESENT (3) . S.
The political, social, economic, intellectual, religious, and aesthetic aspects of European culture in the twentieth century.
320. CONSTITUTION OF THE UNITED STATES (3) . S.
A study of the fundamental elements and principles of the American Constitution. Same as Political Science 320.
- 405 [304]. ECONOMIC HISTORY OF THE UNITED STATES (3) . F.
Historical development of American economic society and its institutions. Same as Economics 405.
440. SEMINAR IN HISTORY (3). On demand
A course especially designed for seniors who pain to seek graduate degrees in history. A research paper will be the end product of the course.

Senior-Graduate Courses

451. RECENT HISTORY OF THE UNITED STATES (3) . W;S.
A brief survey of the emergence of modern America, 1870-1900, followed by a more intensive study of economic, intellectual, and social trends in the twentieth century.
- 452, 453. NORTH CAROLINA HISTORY (3,3) . F,W.
A study of North Carolina history, 1663-1835; 1835 to date.

456. COLONIAL AMERICA (3) . S.
The social, political, and intellectual development of the thirteen colonies to 1783.
457. HISTORY OF MODERN RUSSIA (3) . S.
The Russian revolution and the communist state since 1917.
460. THE MIDDLE AGES (3) . W.
European political, social, and religious life from the decline of the Roman Empire to about 1400.
461. RENAISSANCE AND REFORMATION (3) . S.
An examination of the meaning of the Renaissance in terms of humanism and the plastic arts; the background and principal developments of the Lutheran and Calvinist movements. Offered 1965-66.
- 462, 463, 464. HISTORY OF LATIN AMERICA (3,3,3) . F,W,S.
A survey of the history of Latin America from the conquests to the wars of independence; from the wars of independence to 1900; from 1900 to the present.
465. HISTORY OF THE FAR EAST (3) . SS.
The history of China and Japan in the nineteenth and twentieth centuries.
466. THE FRENCH REVOLUTION AND NAPOLEON (3) . W.
A course devoted to an intensive study of the origins, course, and consequences of the Revolution in France, and of its impact upon Europe as a whole during the Napoleonic era.
467. HISTORY OF FRANCE (3) . W.
A course in post-Revolutionary French history, 1815 to the present. An analysis of the political, social, and economic evolution of France during the nineteenth and twentieth centuries.
469. DEVELOPMENT OF THE BRITISH CONSTITUTION (3) . S.
A study of British political institutions, especially the monarchy, Parliament, and the Common Law of England, as they have evolved from the Anglo-Saxons to the present. Same as Political Science 469.
470. HISTORY OF THE ROMANS (3) . F.
The history of the Roman Republic from 133 B.C. to 27 B.C.; its political and territorial growth, and the significant political, social, and economic factors culminating in the Roman Revolution and the establishment of the Principate. Cultural factors will be emphasized by the use of ancient source materials in translation. Not offered 1965-66.
471. HISTORY OF GREECE (3) . W.
A study of the political, artistic, and intellectual achievements of Greek civilization from its origins to the Hellenistic Age. Offered 1965-66.
- 475 [410]. CULTURAL HISTORY OF THE UNITED STATES (3) . S.
An examination of religion, social and philosophic thought, science, art, and architecture, scholarship and education in the development of American civilization, 1789-1876.

Graduate Courses

A graduate major in Social Science consists of a minimum of 36 quarter hours including History 500. A program of studies will be determined through counseling to meet the needs and interest of the individual graduate student.

500. BIBLIOGRAPHY AND RESEARCH (3). F;SS.
A study of bibliographical problems, types of research, and organization and reporting of research. Required in the first quarter of all beginning graduate students.
501. DETERMINING INFLUENCES IN THE HISTORY OF THE UNITED STATES (3). SS.
An analysis of the major concepts of events and developments of American democracy.
502. FORMATION OF THE AMERICAN UNION (3). S.
A study of the period 1763-1800 in United States history. Emphasis is on the American Revolution, the Articles of Confederation, the Constitution, and on varying historical interpretations of these.
503. CIVIL WAR AND RECONSTRUCTION (3). S.
An examination of the causes of the Civil War, the war and its impact on the sections, and reconstruction with its effects on the South. Offered 1965-66.
504. JACKSONIAN DEMOCRACY (3). F.
Political, social, and cultural changes in the United State during the second quarter of the nineteenth century and the forces which produced the changes.
- 505 [500]. HERITAGE OF WESTERN CIVILIZATION (3). SS.
An exploration and analysis of selected movements and problems of early and modern European civilization.
507. THE OLD SOUTH (3). W.
The cultural, economic, and social history of the Southern states from early exploration to the Civil War. Offered 1965-66.
508. THE NEW SOUTH (3). W.
The cultural, economic, and social history of the Southern states from the Civil War to the present. Not offered 1965-66.
509. THE WESTWARD MOVEMENT (3). S.
The moving further of settlement in the United States and theories concerning its importance in shaping American civilization. Not offered 1965-66.
510. HISTORY OF AMERICAN FOREIGN POLICY (3). F.
A history of the foreign policy of the United States from 1776 to the present with emphasis on the twentieth century.
- 514, 515. SOCIAL HISTORY OF ENGLAND IN THE NINETEENTH CENTURY (3,3). F,W.
An examination of the seminal ideas of English thinkers from Bentham to the Fabian Socialists, social behavior as expressed in the reform movements, and cultural developments in the arts, religion, and science, 1789-1850 and 1850-1914.
520. EUROPE, 1815-1871 (3). F.
A study of European politics, diplomacy, society, and culture from the Congress of Vienna to the close of the Franco-Prussian War.
521. EUROPE, 1871-1919 (3). W.
A study of the main trends of European history from 1871 to the Paris Peace Conference of 1919. Attention is focused upon analyzing the factors that contributed to the outbreak of World War I, the course of the war in Europe, and the settlement made at Paris.
522. EUROPE, 1919-1945 (3). S.
A study of cultural, social, economic, and political developments in Europe from the Peace Conference of 1919 through the Second World War. Par-

ticular emphasis is placed upon the origin and nature of 20th century totalitarian dictatorships.

540. SEMINAR (3-6) . S.
A specialized course involving advanced study, research, and writing by small groups in selected areas. Students may enroll twice in this course for a credit totaling six quarter hours; but in no case shall students receive credit for a seminar which duplicates the content of one for which they have previously received credit.
548. INDEPENDENT STUDY IN SOCIAL SCIENCE (3) . F;W;S.
A program involving advanced study, research, and writing adapted to serve students with exceptional needs and interests. The student pursues a project approved by the instructor.
550. MASTER OF ARTS THESIS (6) . F;W;S.

DEPARTMENT OF HOME ECONOMICS

MARY BROWN ALLGOOD, *Chairman*, C. CALVERT, J. EGERTON, R. HANSON, M. RHYNE, V. WELBORN.

The objectives of the Department of Home Economics are to help students become better citizens and members of society, have a workable knowledge of principles involved in home and family living, prepare for teaching some phases of home and family living at the secondary level, or to work in other areas of home economics, such as institutional administration, clothing and textiles merchandizing, foods and equipment.

A Nursery School is conducted as a laboratory for home economics majors and as a means of observation for students in courses in nursery and kindergarten, special education, elementary education, and psychology.

A major in home economics leading to the Bachelor of Science degree, Program A, consists of fifty-four quarter hours, including 101-102-103, 104, 105, 106, 204, 300, 303, 306, 307, and twenty-one quarter hours in approved electives. A student is required to take the Aptitude Test of the Graduate Record Examination.

A minor in home economics leading to the Bachelor of Science degree, Program A, consists of twenty-four quarter hours, scheduled in conference with the department chairman.

A major in home economics leading to the Bachelor of Science degree and teacher certification consists of fifty-four quarter hours in home economics, including 101-102-103, 104, 105, 106, 204, 206, 207, 300, 303, 304, 306, 307, 401, 402, 405, 409, and twelve quarter hours in the following related courses: Art 104, Biology 308, Physics 208, Sociology 302. A student is required to take the Common Teacher Examinations and the Home Economics Examination of the National Teacher Examinations.

It is recommended that majors in home economics qualify for the standard First Aid Certificate given by the American Red Cross.

Courses in home economics, where prerequisites are met, are open to all students.

Curriculum in Home Economics Leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year	Hours	Sophomore Year	Hours
Chemistry 111-112-113	12	Art 104	3
Education 100	1	Biology 104-105-106	12
English 101-102-103	9	English 201, 202, 203	9
History 101, 102, 103	9	History 201, 202	6
Home Economics 101-102-103	9	Home Economics 104, 105, 106	9
Mathematics 101-102-103	9	Home Economics 207	3
Physical Education	3	Physical Education	3
	—	Psychology 201	3
	52	Speech 101	3
			—
			51
Junior Year	Hours	Senior Year	Hours
Biology 308	3	Education 407	15
Economics 200	3	Education 413 or	
Education 301-302	6	Home Economics 401	3-2
Education 413 or		Home Economics 304	3
Home Economics 401	3-2	Home Economics 402	4
Home Economics 204, 206, 300	9	Home Economics 405	3
Home Economics 303	3	Home Economics 409 or	
Home Economics 306, 307	6	Social Science elective	3
Home Economics 304 or 405	3	Humanities electives	6
Home Economics 409 or		Sociology 302	3
Social Science elective	3	Electives	6
Physics 208	3		—
Psychology 304-305-306	9		46-45
	—		
	51-50		

The freshman and sophomore years of the curriculum in home economics leading to the Bachelor of Science degree, Program A, are similar to the first two years of the Bachelor of Science curriculum above. The junior and senior years will be devoted to completing major and minor requirements and approved electives.

Courses of Instruction in Home Economics

- 101-102-103. TEXTILES AND CLOTHING (3-3-3). F-W-S.
The application of fundamental art principles, fashion, and knowledge of fabrics to clothing selection and construction. Lecture one hour, laboratory four hours.
104. NUTRITION (3). F.
A study of food and its relation to body use and needs. Prerequisite: Chemistry 111-112-113.
105. PRINCIPLES OF FOOD PREPARATION (3). W.
A study of the basic principles of food preparation. Prerequisite: 104. Lecture one hour, laboratory four hours.
106. MEAL PLANNING (3). S.
Planning, preparation, and serving of family meals. Prerequisite: 105. Lecture one hour, laboratory four hours.

204. ADVANCED FOODS (3) . F.
A study of food conservation and meal preparation for everyday and special occasions. Prerequisites: 104, 105, 106. Lecture one hour, laboratory four hours.
206. CLOTHING FOR THE FAMILY (3) . W.
A study of the social, economic, psychological, physiological, and managerial aspects of clothing for the family. Prerequisite: Economics 200.
207. HOME FURNISHINGS (3) . W;S.
Planning furnishings for livable homes with emphasis on function, economy, beauty, and individuality. Prerequisite: Art 104. Lecture two hours, laboratory two hours.
300. CHILD DEVELOPMENT (3) . F;W;S.
Study of the preschool child and his relationships to others. Prerequisite: Psychology 201. Lecture two hours, laboratory two hours in the Nursery School.
302. CONSUMER PROBLEMS (3) . W.
A study of resources to obtain personal and family satisfactions. Prerequisite: Economics 200. Not offered 1965-66.
303. HOUSING (3) . S.
A study of community, economic, and practical problems involved in planning shelter for the family.
304. ADVANCED CLOTHING CONSTRUCTION (3) . F;S.
Clothing selection, design, and construction in a variety of fabrics with emphasis on individual needs. Prerequisite: 101-102-103 and Art 104. Laboratory six hours.
306. TEXTILES (3) . W.
A study of the manufacture, identification, selection, analysis, and care of fabrics. Lecture two hours, laboratory two hours. Prerequisite: Chemistry 111-112-113.
307. HOUSEHOLD EQUIPMENT (3) . W.
Selection, operation, care, and arrangement of equipment. Prerequisite: Physics 208. Lecture one hour, laboratory four hours.
308. QUANTITY COOKERY (4) . F.
A study and practice in planning and preparing foods in College Cafeteria. Prerequisites: 104, 105, 106, 204 and Chemistry 201-202-203. Lecture one hour, laboratory six hours.
309. ORGANIZATION AND ADMINISTRATION (3) . W.
Problems in personnel management.
310. FOOD PRODUCTION AND DISTRIBUTION (3) . S.
Grading, storage, and purchasing of foods in large quantities.
311. COUNTER SUPERVISION (2) . F;W;S.
Supervised institutional experiences in College Cafeteria. Laboratory four hours.
400. HOUSE PLANNING AND DESIGN (3) . on demand.
Same as Industrial Arts 400.
401. HOME MANAGEMENT PRINCIPLES (2) . F;S.
A study of the principles involved in the management of family resources.
402. HOME MANAGEMENT HOUSE RESIDENCE (4) . F;W;S.
Experience in applying principles of homemaking to the family unit. Fee \$140. Prerequisite: 401.

405. **ADVANCED NUTRITION** (3) . S.
Planned dietaries for special conditions and diseases; food budgets for different income levels. Prerequisite: 104. Lecture two hours, laboratory two hours.
409. **DEMONSTRATION TECHNIQUES** (3) . F;S.
The application of good demonstration techniques as a teaching device. Prerequisites: 204 and 307. Laboratory six hours.
413. **TEACHING HOME ECONOMICS** (3) . F;W;S.
Same as Education 413. Prerequisites: Education 301-302, and Psychology 301-302.
460. **NUTRITION IN THE ELEMENTARY SCHOOL** (3) . SS.
A study of nutrition as it applies to the child and ways in which the elementary teacher can interest the child in proper diet. May be used for certificate renewal.

DEPARTMENT OF INDUSTRIAL ARTS

H. S. DECKER, *Chairman*, C. C. OWEN, R. D. PETTUS, D. A. RIGSBY, F. R. STECKEL.

A major in industrial arts leading to the Bachelor of Science degree, Program A, consists of sixty quarter hours, the courses to be selected in conference with the student. A student is required to take the Aptitude Test of the Graduate Record Examination.

A minor in industrial arts leading to the Bachelor of Science degree, Program A, consists of twenty-four quarter hours, the courses to be selected in conference with the student.

A major in industrial arts leading to the Bachelor of Science degree and teacher certification consists of sixty-nine quarter hours, including 101-102-103; 201-202-203; three courses from 204, 205, 206, 207, 208; 301-302-303, 304, 305 306-307, 401 or 402, 403; six hours each in advanced courses in at least two areas; Education 475. A student is required to take the Common Examinations and the Industrial Arts Examination of the National Teacher Examinations.

Curriculum in Industrial Arts Leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year	Hours	Sophomore Year	Hours
Biology 101-102-103	9	Economics 200	3
Education 100	1	English 201, 202, 203	9
English 101-102-103	9	History 201, 202	6
History 101, 102, 103	9	Industrial Arts 201-202-203	9
Industrial Arts 101-102-103	9	Industrial Arts: General Shop	6
Mathematics 101-102-103	11	Physics 201-202-203	12
Physical Education	3	Physical Education	3
		Psychology 201	3
	51	Speech 101	3

Junior Year	Hours	Senior Year	Hours
Education 301-302	6	Education 407	15
Education 416	3	Education 475	3
Humanities elective	3	Humanities elective	3
Industrial Arts: General Shop	3	Industrial Arts 401, 402	6
Industrial Arts 301-302-303	9	Industrial Arts electives	12
Industrial Arts 304, 305	6	Electives	6
Industrial Arts 306-307	6		—
Industrial Arts 403	3		45
Psychology 304-305-306	9		
Social Science elective	3		
	51		

The freshman and sophomore years of the curriculum in Industrial Arts leading to the Bachelor of Science degree, Program A, are similar to the first two years of the curriculum above. The junior and senior years will be devoted to completing major and minor requirements and approved electives.

Courses of Instruction in Industrial Arts

- 101-102-103. ENGINEERING DRAWING (3-3-3). F-W-S.
Lettering, geometric constructions, freehand sketching, normal, inclined, oblique surfaces, cylindrical surfaces, plotted curves, sectioning auxiliary views, threads; dimensioning, first angle projection, ink tracing, working drawings. Lecture one hour, laboratory five hours.
- 201-202-203. WOODS (3-3-3). F-W-S.
The cutting, shaping, jointing, veneering, and finishing of wood products, both hand and machine work, and related wood technology. Lecture one hour, laboratory five hours.
204. GENERAL SHOP: LEATHER (3). F;W.
Basic processes and techniques involved in working with leather. Development of course materials suitable for use in a general shop. Lecture one hour, laboratory five hours.
205. GENERAL SHOP: CERAMICS (3). F;S.
Basic processes and techniques involved in working with ceramics. Development of course materials suitable for use in a general shop. Lecture one hour, laboratory five hours.
206. GENERAL SHOP: ART METAL (3). W.
Basic processes and techniques involved in working with art metal. Development of course materials suitable for use in a general shop. Lecture one hour, laboratory five hours.
207. GENERAL SHOP: JEWELRY (3). S.
Basic processes and techniques involved in working with jewelry. Development of course materials suitable for use in a general shop. Lecture one hour, laboratory five hours.
208. GENERAL SHOP: PLASTICS (3). F.
Basic processes and techniques involved in working with plastics. Development of course materials suitable for use in a general shop. Lecture one hour, laboratory five hours.

209. MACHINE DRAWING (3). F.
Detail, assembly, and production drawing. Lecture one hour, laboratory five hours.
- 217 [207]. GENERAL CRAFTS (3). F;S.
A general crafts class for non-majors, consisting of three basic crafts: leather, ceramics, and metals. The leather craft will include decorating and fabrication of leather. The ceramics will include shaping, forming, and decorating of clay. The metals will include cooper enameling, casting, art metal forming, and jewelry. Lecture one hour, laboratory five hours.
- 301-302-303. METALS (3-3-3). F-W-S.
The cutting, shaping and casting, and machining of ferrous and non-ferrous metals and related metal technology. Lecture one hour, laboratory five hours.
304. POWER MECHANICS (3). F;S.
Theory and practice of compact internal combustion power sources. Lecture one hour, laboratory five hours.
305. ELECTRICITY (3). F.
A.C., D.C., fundamentals, lecture one hour, laboratory five hours.
- 306-307. ELECTRONICS (3-3). W-S.
A.C., D.C., motors; vacuum tubes, transistors and related electronic components with applications. Lecture one hour, laboratory five hours.
308. PRODUCTION TECHNIQUES, WOOD (3). F.
Jigs, fixtures, and related production techniques. Lecture one hour, laboratory five hours.
310. SHEETMETAL (3). W.
Layout and fabrication of sheetmetals. Lecture one hour, laboratory five hours.
311. PRODUCTION TECHNIQUES, METALS (3). S.
Jigs, fixtures, and related production techniques. Lecture one hour, laboratory five hours.
312. ELECTRONICS, ADVANCED (3). F.
Electronic control and regulation, including the thyatron. Lecture one hour, laboratory five hours.
- 313-314. ARCHITECTURAL DRAWING (3-3). On demand.
Details through complete set of plans for residential structure. Lecture one hour, laboratory five hours.
316. INDUSTRIAL ARTS FOR THE ELEMENTARY SCHOOL TEACHER (3). W.
An industrial arts and crafts course for elementary school teachers. Emphasis on manipulation experience and handwork adapted to the elementary school child. Not open to majors in industrial arts. Lecture one hour, laboratory five hours.
324. LEATHER (3). F;W.
Advanced techniques in ceramics with emphasis upon design and skill. Methods of organizing and teaching. Development of course material suitable for a unit shop. Lecture one hour, laboratory five hours.
325. CERAMICS (3). F;S.
Advanced techniques in ceramics with emphasis upon design and skill. Methods of organizing and teaching. Development of course material suitable for a unit shop. Lecture one hour, laboratory five hours.

326. ART METAL (3) . W.
Advanced techniques in jewelry and emphasis upon design and skill. Methods of organizing and teaching. Development of course material suitable for a unit shop. Lecture one hour, laboratory five hours.
327. JEWELRY (3) . S.
Advanced techniques in jewelry and emphasis upon design and skill. Methods of organizing and teaching. Development of course material suitable for a unit shop. Lecture one hour, laboratory five hours.
400. HOUSE PLANNING AND DESIGN (3) . On demand.
Architectural styles, planning, building materials as related to residential structures. Lecture one hour, laboratory five hours.
401. EQUIPMENT AND MAINTENANCE, WOOD (3) . W.
Operation and maintenance of woodworking —machines and tools. Lecture one hour, laboratory five hours.
402. EQUIPMENT AND MAINTENANCE, METALS (3) . F.
Operation and maintenance of metalworking machines and tools. Lecture one hour, laboratory five hours.
403. ORGANIZATION AND EQUIPMENT (3) . F.
Planning and equipping industrial arts laboratories; budgets, sources, requisitions, storage. Lecture three hours.
404. WELDING (3) . W.
Arc and oxy-acetylene welding. Lecture one hour, laboratory five hours.

Senior-Graduate Courses

452. CONTEMPORARY INDUSTRIAL FINISHING (3) . On demand.
The course consists of the care and maintenance of finishing equipment; the selection and use of spray equipment and the preparation of the surface to be finished; staining, filling, undercoating, top coating as well as rubbing out the final coat; application of simple and synthetic finishes. Each student should bring a small piece of furniture, such as an end table, coffee table, or small wood object for finish. Lecture one hour, laboratory five hours.
454. PERIOD FURNITURE (3) . On demand.
The study of furniture in its important design and periods. The student will design and construct a piece of period furniture. Prerequisite: nine quarter hours of woodworking or its equivalent. Lecture one hour, laboratory five hours.
455. CONTEMPORARY FURNITURE (3) . On demand.
The design and construction of classic contemporary furniture and the work of contemporary furniture designers will be discussed with emphasis on the Scandinavian design. Lecture one hour, laboratory five hours.
456. COMMUNICATIONS (3) . SS.
Elements of television, radio, telemetry, and associated communications phenomena. Lecture one hour, laboratory five hours.
458. CRAFTS FOR THE HANDICAPPED (3) . S.
Basic craft activities and occupational skills for the handicapped. Concrete experiences in materials and methods.
460. INDUSTRIAL DESIGN (3) . S.
Design as applied to the industrial product. Lecture one hour, laboratory five hours.

461. **INDUSTRIAL ILLUSTRATION** (3). On demand.
An intensive study of the field of industrial illustration including pictorials, exploded views, and isometrics. Work will be done on plastic, and the student will be familiarized with the preparation of technical manuals, engineering brochures, and similar industrial publications. Lecture one hour, laboratory five hours.
462. **MATERIALS** (3). On demand.
The structure and characteristics of common industrial materials; laboratory work will be in the same area of stress-strain hardness testing and the heat treatment of metals.
463. **CARE AND MAINTENANCE OF EQUIPMENT** (3). SS.
The installation, care, and maintenance of power equipment and motors, including complete rebuilding, adjustment, and full utilization of the rebuilt machine. Offered in cooperation with Delta Power Tool Division, Rockwell Manufacturing Company. To be offered as a workshop.
464. **PROBLEMS IN LEATHER TECHNIQUES** (3). F;W.
An analysis of functional design and production methods of leatherwork. Individual projects designed to employ various technical and commercial methods of production. Lecture one hour, laboratory five hours.
465. **PROBLEMS IN CERAMICS TECHNIQUES** (3). F;S.
An analysis of functional design and production methods of ceramics. Individual projects designed to employ various technical and commercial methods of production. Lecture one hour, laboratory five hours.
466. **PROBLEMS IN ART METAL TECHNIQUES** (3). W.
An analysis of functional design and production methods of metal techniques. Individual projects designed to employ various technical and commercial methods of production. Lecture one hour, laboratory five hours.
467. **PROBLEMS IN JEWELRY TECHNIQUES** (3). S.
An analysis of functional design and production methods of jewelry. Individual projects designed to employ various technical and commercial methods of production. Lecture one hour, laboratory five hours.
468. **TRANSPORTATION** (3). Ext.
Theory and application of internal combustion engines, turbines, and turbo jets to transportation.
469. **MACHINE TOOL OPERATION** (3). SS.
The cutting and shaping of metals using the common machine tools of the school and industry.
475. **PROBLEMS AND PROCESSES OF INDUSTRIAL ARTS** (1-3). F;W;S.
Individual research on problems determined by the student's needs.

Graduate Courses

A graduate major in industrial arts includes 512, 513, 514, 517, 520, and electives in industrial arts to total 36 quarter hours.

504. **MACHINE DESIGN AND CONSTRUCTION** (3). On demand.
The elements of machine design including the construction of a powered machine. Lecture one hour, laboratory five hours.
506. **ELECTRONICS COMPONENTS AND SYSTEMS** (3). On demand.
A laboratory course largely devoted to the construction of electronic gear. Lecture one hour, laboratory five hours.

510. INDUSTRIAL ARTS FOR ELEMENTARY SCHOOL TEACHERS (3). SS.
Development of basic skills through elementary work in wood, metals, and other materials easy to get. Adaptation of work to classroom situations. Planning for creative work with limited equipment. Not open to majors in industrial arts. Lecture one hour, laboratory five hours.
512. PHILOSOPHY OF INDUSTRIAL ARTS EDUCATION (3). SS.
The philosophy of industrial education from its beginning in manual training through contemporary programs in industrial arts and vocational education.
513. INDUSTRIAL ARTS CURRICULUM DEVELOPMENT (3). SS.
Planning and development of course content for the major areas of industrial arts, incorporating the prevailing philosophy and objectives of school systems.
514. DESIGN AND EQUIPPING OF INDUSTRIAL ARTS FACILITIES (3). SS.
Factors of school shop planning, equipment selection, layout and arrangement, and architectural considerations.
517. INSTRUCTIONAL METHODS AND TECHNIQUES FOR INDUSTRIAL ARTS LABORATORIES (3). SS.
The role of the project as a vehicle for learning. Preparation of instructional materials, record keeping, budget construction, and requisitioning of supplies.
520. SKILL DEVELOPMENT IN MAJOR AREAS (3-6). On demand.
Individual or group work in area competence. Technique and process in the craftsmanship of the transformation of materials.
530. SPECIAL PROBLEMS IN INDUSTRIAL EDUCATION (1-3). F;W;S.
Individual research. Areas to be determined by need, background, and interest.

DEPARTMENT OF LIBRARY SCIENCE

ILA TAYLOR JUSTICE, *Chairman*, B. CAMPBELL, FRIEDA M. HELLER, E. QUERY.

A major in library science leading to the Bachelor of Arts degree consists of thirty-six quarter hours, including 301, 302-303, 401, 402, 403, 404, and fifteen quarter hours in approved electives. A student is required to take the Aptitude Test of the Graduate Record Examination.

A minor in library science leading to the Bachelor of Arts degree consists of twenty-four quarter hours, including 301, 302-303, 401, 403, and nine quarter hours in approved electives.

A major in library science leading to the Bachelor of Science degree and teacher certification consists of a minimum of forty-five quarter hours, including Library Science 301, 302-303, 305, 306, 307, 401, 402, 403, 404, 450, 451, 452, 453, 454, and English 302, 303, 304 or 305, 307. A student must show proficiency in typing. A student is required to take the Common Examinations of the National Teacher Examinations.

A student may qualify for a Library Science Certificate in North Carolina by completing twenty-seven quarter hours in library science in addition to certification in a subject field. This is recommended for those preparing for library work in the elementary school or for a teacher-librarian position in the high school.

Curriculum in Library Science Leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year		Sophomore Year	
	Hours		Hours
Education 100	1	Biology 101-102-103	9
English 101-102-103	9	English 201, 202, 203	9
History 101, 102, 103	9	History 201, 202, 203	9
Mathematics 101-102-103	9	Humanities electives	6
A Physical Science	9-12	Physical Education	3
Physical Education	3	Psychology 201	3
Speech 101	3	Social Science electives	6
Electives	6	Electives	6
49-52		51	
Junior Year		Senior Year	
	Hours		Hours
Education 301-302	6	Education 404	15
English 302, 303	6	Library Science 401, 402	6
English 304 or 305	3	Library Science 403, 404	6
English 307	3	Library Science 450, 451	6
Library Science 301, 302-303	9	Library Science 452, 453, 454	9
Library Science 305, 306, 307	9	Electives	6
Psychology 304-305-306	9		
Electives	6		48
51			

The freshman and sophomore years of the curriculum in library science leading to the Bachelor of Arts degree are similar to the first two years of the curriculum above. The junior and senior years will be devoted to completing major and minor requirements, foreign language requirements, and approved electives.

Courses of Instruction in Library Science

301. FUNCTIONS AND USE OF THE LIBRARY (3). F.
Objectives and functions of the library in relation to the total school program.
- 302-303. REFERENCE (3,3). W;S.
Evaluation and use of general reference books. Techniques and procedures in reference work. Reference materials in specific subject fields.
304. CHILDREN'S LITERATURE (3). F;W;S.
Developing a background in the history of children's literature, evaluating modern writers and illustrators of children's books, and studying the various phases of literature which should be presented to elementary children.
305. BASES FOR SELECTION OF SCHOOL LIBRARY MATERIALS (3). F;W;S.
Basic factors and problems in the selection of books and materials.
306. BOOKS AND MATERIALS FOR HIGH SCHOOL LIBRARIES (3). S.
Books and materials in relation to adolescent needs and interests and the high school curriculum.
307. BOOKS AND MATERIALS FOR ELEMENTARY SCHOOL LIBRARIES (3). W.
Books and materials in relation to children's needs and interests and the elementary curriculum.

- 401, 402. ORGANIZATION AND ADMINISTRATION OF THE SCHOOL LIBRARY (3,3). F,W.
Acquisition, processing, circulation of materials; student assistants; records and reports; attendance and scheduling; library quarters and equipment; professional relationships; evaluation of library services.
- 403, 404. CATALOGING AND CLASSIFICATION (3,3). F,W.
Study of the principles of cataloging and classification of books and non-book materials. Preparation of a practice file and manual.

Senior-Graduate Courses

450. ORGANIZATION AND ADMINISTRATION OF NON-BOOK LIBRARY MATERIALS (3). W.
Acquisition, preparation, housing, and circulation of non-book library materials.
451. ADVANCED BOOK SELECTION (3). F.
Books for adults in areas of fiction, drama, poetry, essays, literary classics, and literary criticism.
452. ADVANCED BOOK SELECTION (3). W.
Reading and evaluation of books for adults in the area of biography, travel, history, the social sciences, science, religion, philosophy, and the fine arts.
453. LITERATURE FOR CHILDREN (3). F.
Background in literature for children; development and current trends; illustrators; enlargement of study of literature of various types.
454. LITERATURE FOR YOUNG PEOPLE (3). W.
455. DEVICES FOR INTERPRETING BOOKS FOR READERS (3). F;S.
Story-telling, annotations, book reviewing, the book talk, radio, story recordings.
457. SCHOOL LIBRARY WORKSHOP (3). SS.
- 467 [Ed. 467]. CORRELATING TEACHING WITH THE LIBRARY (3). F;S;SS.
Planned to help the classroom teacher understand better the function and use of the school library as a means of vitalizing teaching. Not open to Library Science students.
476. CHILDREN'S LITERATURE WORKSHOP (3). SS.

Graduate Courses

A minimum of twenty-seven undergraduate hours in Library Science is prerequisite to graduate courses.

A graduate major consists of thirty quarter hours in library science with thesis or thirty-six quarter hours without thesis, including Library Science 450, 451, 452, 453, 454, 500, 501, 503, and fifteen hours in education and psychology.

500. USE OF MATERIALS WITH STUDENTS AND TEACHERS (3). F;SS.
Materials and methods for more effective use of library resources in various curriculum areas in the school. Open only to Library Science majors.
501. LIBRARY PROBLEMS (3). W;SS.
Study of problems in the organization and administration of library science in elementary and secondary schools; also, of the small college and public libraries.

502. ADMINISTRATION AND SUPERVISION OF SCHOOL LIBRARY SYSTEMS (3). SS.
Designed for the experienced school librarian in preparation for supervisory positions in larger units of school library service. Involves a critical study and analysis of problems in organization and administration of city, county, and state school library systems.
503. READING INTERESTS AND GUIDANCE (3). S;SS.
Implications of research in reading interests of children and young people. Methods and materials for guidance in their use. Open to non-majors.
504. ADVANCED REFERENCE (3). W;SS.
Special reference problems, methods and materials for the large school library, the junior college, and the small public library.
505. PROBLEMS IN CATALOGING AND CLASSIFICATION (3). SS.
Special problems and methods in cataloging and classification, including problems involved in central cataloging units and handling collections of audio-visual materials. Offered on sufficient demand.
506. READING FOR ADULTS (3). SS.
Characteristics and patterns of adult reading according to interests, needs, and abilities of various groups.
507. HISTORY OF BOOKS AND LIBRARIES (3). W;SS.
Survey of the development of libraries and bookmaking for earliest times to the present.
508. THE LIBRARY AND THE COMMUNITY (3). F;SS.
The place of the library, both school and public, in the community and its relation to the agencies and resources of the community.
509. TEACHING THE USE OF BOOKS AND LIBRARIES (3). S;SS.
A study of the problems to be considered in the instruction of students in the use of books and library tools and an examination of the content of various units for use at certain school levels. Practice will be given in preparation and presentation of lessons planned to integrate with possible class activities.
550. MASTER OF ARTS THESIS (6). SS.

DEPARTMENT OF MATHEMATICS

PAUL SANDERS, *Chairman*, R. W. BALL, G. T. BUCKLAND, FRANCES FULMER, RAY L. GRAHAM, W. A. HAWKINSON, ESTELA LEON, ARNOLD McENTIRE, P. B. PATTERSON, STARR STACY.

The aim of the Department of Mathematics is to provide the student with the language for expression of quantitative concepts and their relations, the means of investigating these relations, and the methods of obtaining such numerical results as are essential.

A major in mathematics leading to the Bachelor of Arts degree consists of fifty-one quarter hours in mathematics above the 100 level, including 211-212-213, 321-322-323, 382, 393, 483, 491; six-ten quarter hours from 311-312, 461-462, 464-465, 468-469; and five-nine quarter hours in approved electives. A student is required to take the Aptitude Test and the Advanced Test of the Graduate Record Examination.

A minor in mathematics consists of twenty-four quarter hours above the 100 level, including 211-212-213 and nine quarter hours in approved electives.

A major in mathematics leading to the Bachelor of Science degree and teacher certification consists of a minimum of fifty-one quarter hours in mathematics above the 100 level. This must include Mathematics 211-212-213, 321-322-323, 382, 393, 483, 491, two courses from 311-312, 461-462, 464-465 or 468-469 and mathematics electives to total at least 51 quarter hours, and Physics 201-202-203 or 204-205-206. It is strongly recommended that he take two years of French or German. A student is required to take the Common Examinations and the Mathematics Examination of the National Teachers Examinations.

Curriculum in Mathematics Leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year	Hours	Sophomore Year	Hours
Biology 101-102-103 or 104-105-106	9-12	English 201, 202, 203	9
Education 100	1	History 201, 202	6
English 101-102-103	9	Mathematics 211-212-213	15
History 101, 102, 103	9	Physics 201-202-203 or 204-205-206	12-15
Mathematics 101-102-108 or 107-108	11-10	Physical Education	3
Mathematics 211 or elective	5-3	Psychology 201	3
Physical Education	3	Speech 101	3
Elective	3		-----
			51-54

	50		
Junior Year	Hours	Senior Year	Hours
Education 301-302	6	Education 407	15
Education 408 or elective	3	Education 408 or elective	3
Humanities electives	6	Mathematics 483, 491	6
Mathematics 321-322-323	9	Mathematics electives	12
Mathematics 382, 393	6	Electives	9
Psychology 304-305-306	9		—
Social Science electives	6		45
Elective	3		

	48		

At least two courses from Mathematics 311-312, 461-462, 464-465, or 468-469 must be included in the mathematics electives.

The freshman and sophomore years of the curriculum in mathematics leading to the Bachelor of Arts degree are similar to the first two years of the curriculum above. The junior and senior years will be devoted to completing major and minor requirements, foreign language requirements, and approved electives.

Courses of Instruction in Mathematics

101. INTRODUCTION TO MATHEMATICS

(3). F;W.

A study of sets, relations, operations, functions, the real number system, and the deductive method. In this course an attempt is made to show the student something of the logical structure of mathematics. This course or its equivalent is required of all students.

102 [104]. ALGEBRA

(3). F;W;S.

A study of operations on polynomials, special products and factoring, operations on fractions, roots, radicals, complex numbers, equations and inequality.

ties in one variable, systems of linear equations, matrices, finite inductions, and the binomial theorem. This course or its equivalent is required of all students. If a student plans to continue in mathematics beyond the freshman level and is deficient in algebraic skills, he will be required to participate in a mathematics laboratory. Prerequisite: 101.

103. **INTRODUCTORY PROBABILITY** (3). F;W;S.
A study of the basic notions of probability and the interpretation of common statistical measures. For students who do not plan to continue mathematics beyond the freshman level. Prerequisite: 102 or equivalent.
107. **COLLEGE ALGEBRA** (5). F.
This course covers the material outlined in 101 and 102 and is intended for students planning to continue in mathematics beyond the freshman level.
108. **TRIGONOMETRY** (5). W;S.
A development of the properties of the trigonometric functions based on coordinates, vectors, and complex numbers. For students planning to continue in mathematics beyond the freshman level. Prerequisite: 102 or 107.
- 211-212-213 [109-202-203, 301-302-303]. **ANALYTIC GEOMETRY AND CALCULUS** (5-5-5). F-W-S.
A study of coordinate systems, loci, limits, differentiation, integration, applications, series, partial differentiation, and multiple integration. Prerequisite: 108.
214. **CALCULUS** (3). S.
A study of series, partial differentiation, and multiple integration. Prerequisite: 213.
- 311-312 [452]. **DIFFERENTIAL EQUATIONS** (3). F-W.
A study of methods of solution of ordinary differential equations. Prerequisite: 212.
- 321-322-323 [500-501]. **MODERN ALGEBRA** (3-3-3). F-W-S.
A study of fundamental set theory, relations, mappings, groups, number systems, integral domains, divisibility congruences, modular arithmetics, fields, polynomials over integral domains and over fields, linear algebra, vectors and vector spaces, Galois fields, matrix theory, linear transformations, systems of linear equations, quadratic forms, and group representation. Prerequisite: 213 or permission of instructor.
- 341 [453]. **HISTORY OF MATHEMATICS** (3). F.
A study of the development of mathematical thought.
- 343 [454]. **MATHEMATICS OF FINANCE** (3). S.
A study of simple and compound interest, annuities, amortization, sinking funds, depreciation, bonds, stocks, and life insurance. Prerequisite: 108.
381. **NON-EUCLIDEAN GEOMETRY** (3). W.
A study of the elements of non-Euclidean geometry, the history of Euclid's fifth postulate, the geometries of Riemann, Lobachevsky, and Bolyai.
- 382 [451]. **COLLEGE GEOMETRY** (3). W.
This course considers geometric constructions, loci, similar and homothetic figures, medians, altitudes, bisectors, nine-point circle, and other topics. Prerequisite: 213 or permission of instructor.

383. PROJECTIVE GEOMETRY (3) .S.
An introduction of the elements of synthetic projective geometry, the principle of duality, perspectivities, harmonic sets, metric properties, projectivities, conics, Pascal's Theorem and Brianchon's Theorem, and a brief consideration of analytic projective geometry.
393. PROBABILITY (3) .S.
A study of probability based on discrete sample spaces. Prerequisite: 102 or 107.
440. UNDERGRADUATE SEMINAR (Variable credit). F;W;S.

Senior-Graduate Courses

453. MATHEMATICAL LOGIC (3) .S.
A study of the sentential calculus, the calculus of classes, the restricted predicate calculus, and the extended predicate calculus.
454. DIGITAL COMPUTERS (3) .F;W;S.
A study of the fundamentals of digital computer organization and design, rudiments of numerical techniques, flow diagraming, and principles of computer programing.
456. GEOMETRY FOR ELEMENTARY SCHOOL TEACHERS (3) .S;SS.
An informal treatment of aspects of geometry which are relevant to the elementary school curriculum. The topics considered include congruence, measure of segments and angles, constructions, parallels and parallelograms, similarity, space geometry, areas and volumes, and measurements related to circles. This course is not open to mathematics majors.
457. MATHEMATICS IN THE ELEMENTARY SCHOOL (3) .SS;Ex.
A course designed especially for the in-service elementary teacher. Same as Education 457. Available as a workshop.
458. MATHEMATICS IN THE SECONDARY SCHOOL (3) .F;SS;Ex.
A course designed especially for the in-service secondary school teacher. Same as Education 458. Available as a workshop.
- 459 [460]. FOUNDATIONS OF ARITHMETIC (3) .SS;Ex.
A study of the laws of arithmetic, concept of number, postulational treatment of number systems, logical reasoning. Not open to mathematics majors.
- 461-462 [503-504]. ADVANCED CALCULUS (5-5) .F-W.
A rigorous treatment of the ideas of limit, continuity, differentiation, and integration. Prerequisite: 213.
- 464-465. NUMERICAL ANALYSIS (3-3) .F-W.
This course considers difference equations, solution of polynomial and transcendental equations, the interpolating polynomial and its representations, numerical integration and differentiation, solution of ordinary differential equations, direct and iterative methods for solving systems of linear equations, methods for finding eigenvalues and eigenvectors, and solution of partial differential equations. Prerequisite: 312.
- 468-469. OPERATIONS ANALYSIS (3-3) .W-S.
A study of linear programing, game theory, queueing theory, dynamic programing. Prerequisite: 393.
- 483 [462]. FOUNDATIONS OF GEOMETRY (3) .S;SS.
A study of axioms and postulates of geometries, quadrangular sets, nets, special theorems, groups, and affine geometry. Prerequisite: 213.

487-488 [500-501]. MODERN ALGEBRA FOR IN-SERVICE TEACHERS (3-3). SS;Ex.

This course considers sets, mappings, operations, relations, the real number system, integral domains and fields, polynomial domains, groups, vector spaces, linear transformations, matrices, solutions of systems of equations, linear algebra, rings, and Boolean algebra. Not open to students who have credit in 321-322-323. Prerequisite: 213 or permission of instructor.

491 [455]. MATHEMATICAL STATISTICS (3). F.

A study of probability and statistics based on continuous sample spaces. Prerequisite: 213 and 393.

Graduate Courses

A student beginning a program of study toward the Master's degree in mathematics should have completed as an undergraduate the equivalent of Mathematics 311-312, 321-322-323, 382, and 461-462. A graduate major in mathematics consists of a minimum of 36 quarter hours in mathematics. This must include two courses in algebra, two courses in topology, and two courses in analysis from courses numbered above 500. Students preparing to teach in junior college will be required to take Mathematics 548 or Mathematics 550.

511-512-513. THEORY OF FUNCTIONS (3-3-3). F-W-S.

A study of properties of complex numbers, transformations, analytic functions, power series, complex integration, and the calculus of residues.

516 [505]. ADVANCED DIFFERENTIAL EQUATIONS (3). S.

A study of the conditions under which the solutions of ordinary differential equations exist. Prerequisite: 312.

517-518. APPLIED MATHEMATICS (3-3). F-W.

A study of Fourier series, series solutions of ordinary differential equations, Laplace and Fourier transforms, solutions of partial differential equations by separation of variables, boundary value problems, vector analysis, coordinate systems. Gamma functions, Bessel functions, and orthogonal systems of polynomials.

519. FUNCTIONAL ANALYSIS (3). S.

This course considers an introduction to normed linear spaces, the theorem of Weierstrass, approximation in the senses of least squares and least deviation, the construction of polynomials of best approximation, continued fractions, and approximation by rational functions and other function families.

521-522-523. ABSTRACT ALGEBRA (3-3-3). F-W-S.

A study of certain concepts from set theory, semi-groups and groups, rings, integral domains, fields, elementary factorization theory, groups with operators, modules and ideals, and lattices. Prerequisite: 323.

525-526 [507]. THEORY OF NUMBERS (3-3). W-S.

A study of the properties of integers, Euclid's algorithm, Diophantine equations, prime numbers, congruences, residues of powers, quadratic residues, and quadratic forms.

528-529. LINEAR ALGEBRA AND GROUP THEORY (3-3). W-S.

Determinants and their properties, solution of linear equations, linear transformations, quadratic forms, infinite-dimensional spaces, reduction of matrices to canonical form, elements of the general theory of groups, representations of groups, and continuous groups.

531-532-533 [510]. TOPOLOGY (3-3-3). F-W-S.

This course considers open and closed sets, connected sets, elementary topology of the straight line, an introduction to metric spaces and to the Euclidean plane, and the characterization of arcs and simple closed curves.

- 540 [508]. GRADUATE SEMINAR (Variable credit). F;W;S.
- 548 [509]. INDEPENDENT STUDY IN MATHEMATICS (Variable credit). F;W;S.
Independent reading and research done under the supervision of a designated member of the staff. Prerequisite: 18 hours of graduate mathematics.
550. MASTER OF ARTS THESIS (6). F;W;S.

DEPARTMENT OF MUSIC

W. G. SPENCER, *Chairman*, D. ATWELL, H. S. BEKEMEYER, W. S. COLE, N. ERNESTON, E. FOX, C. F. HAENSELMAN, E. P. HOTARD, C. L. ISLEY, JR., V. LINNEY, W. H. SAFRIT, E. WHITE.

The Department of Music is a member of the National Association of Schools of Music. The requirements set forth in this catalogue are in accordance with the published regulations of the National Association of Schools of Music.

The objectives of the Department of Music are to provide the best possible preparation of teachers of music for the public schools and institutions of higher learning; to provide training for the classroom teacher in the organization and conducting of a well-balanced music program; to provide music experiences and activities in which the music major as well as the general college student can increase his skills, knowledge, and appreciation of music; to contribute to the cultural tone of the college and community through the presentation of a variety of public programs and concerts.

ENTRANCE REQUIREMENTS

The entrance requirements in the major performance medium are as follows:

Voice: An acceptable voice and the ability to sing with accurate pitch and rhythm.
Piano: The ability to perform: Major and minor scales and arpeggios: compositions of the difficulty of Bach, *Two-Part Inventions*; Beethoven, *Sonata, Op. 49*; Chopin, *Mazurka, Op. 33, No. 3*.

Instruments: A fundamental knowledge of the instrument including an acceptable method of producing tone; awareness of intonation problems; accurate rhythmic feeling; some contact with solo literature available for the instrument; the ability to play major, minor, and chromatic scales with the proper fingering.

MAJOR REQUIREMENTS

A major in music leading to the Bachelor of Arts degree consists of forty-eight quarter hours above General Education requirements, including 101-102-103, 201-202-203, 204-205-206, twelve quarter hours of applied music, six quarter hours of ensembles, and nine quarter hours in approved electives. A student is required to take the Aptitude Test and the Music Test of the Graduate Record Examination.

A minor in music consists of twenty-four hours above General Education requirements, the courses to be selected in conference with the student.

A major in Music: General leading to the Bachelor of Science degree and teacher certification consists of eighty quarter hours above General Education requirements (116-117-118). These include an applied major in piano or voice 22 hours, applied minor 9 hours, 101-102-103, 121-122-123, 125, 131, 132, 201-202-203, 204-205-206, 304-305-306, 316, 317, 402, 403, 405, 416. Professional education courses in music methods include 307, 308, 420. Music majors are required to participate in ensembles for 11 quarters (11 elective hours). A student is required

to take the Common Examinations and the Music Examination of the National Teacher Examinations.

A major in Music: Instrumental leading to the Bachelor of Science degree and teacher certification consists of eighty-one hours above General Education requirements (116-117-118). These include an applied major instrument 22 hours, applied piano 6 hours, 101-102-103, 121-122-123, 125-126-127, 128, 131-132-133, 201-202-203, 204-205-206, 304-305-306, 316, 317, 402, 404, 405. Professional education courses in music methods include 307, 308, 419. Music majors are required to participate in ensembles for 11 quarters (11 elective hours). A student is required to take the Common Examinations and the Music Examination of the National Teacher Examinations.

A major in Piano Pedagogy leading to the Bachelor of Science degree and teacher certification consists of ninety-four hours above General Education requirements (116-117-118). These include piano 36 hours, applied minor 6 hours, piano ensemble 3 hours, senior recital, 101-102-103, 201-202-203, 204-205-206, 304-305-306, 316, 402, 403, 405, 452. Professional education courses in music methods include Education 309. Music majors are required to participate in ensembles for 11 quarters (11 elective hours). A student is required to take the Common Examinations and the Music Examination of the National Teacher Examinations.

During the senior year a music major will demonstrate satisfactory proficiency in his major performing medium: piano, voice, violin, clarinet, or other band or orchestral instruments. This may be done in one of three ways: 1. An individual recital; 2. A group recital with no more than three participants; 3. A comprehensive examination which includes the major instrument, theory, and other class work in music which the student has covered during the four years.

A music major will appear in at least two recitals each year. Appearance as a soloist in church, before the Music Education Club, in a studio recital, or a public performance will satisfy this requirement.

PLACEMENT EXAMINATIONS

Freshmen and transfers who plan to major in music must take a placement examination in their major performing medium to establish class standing and a special test to determine their general music knowledge. Those who do not meet freshman standing must enroll in 010-011-012 or 013-014-015 until entrance requirements can be met.

PIANO PROFICIENCY FOR ALL MAJORS

By examination a music major shall demonstrate satisfactory proficiency in piano at the end of the second year. Failure to acquire this proficiency will necessitate repeating the examination until proficiency is demonstrated.

The student must demonstrate ability to play the most widely used songs in community song books, to play pieces and accompaniments from the teacher's manual of the graded series for the elementary school, to improvise chordal accompaniments, to read at least 3 or 4 line scores of instrumental or vocal parts simultaneously at the keyboard.

SIGHT SINGING AND EAR TRAINING PROFICIENCY

A music major shall demonstrate by examination satisfactory proficiency in sight singing and ear training at the end of the second year. Failure to acquire this proficiency will necessitate repeating the examination until proficiency is demonstrated.

The student must demonstrate ability to sing on sight all songs in the graded series for the elementary school, to sing on sight individual parts of choral material on the secondary level, and to write from dictation melodies, harmony, and rhythmic patterns from instrumental and choral music suitable for elementary and secondary schools.

RECITALS AND CONCERTS

Student recitals are held each quarter to provide students with experience and poise in public performance. Seniors and other advanced students present individual or joint recitals as partial requirements for graduation. Frequent concerts are given by faculty members, various musical organizations, and visiting artists.

Music majors are required to attend all concerts and recitals sponsored by the Music Department.

APPLIED MUSIC

Individual music instruction is offered in piano, organ, voice, and all orchestral and band instruments. Courses in applied music are required of all music majors and may be elected for general college credit by students not majoring in music. **Piano.** The piano major should develop the ability to sight read, play accompaniments in a musicianly manner, perform representative works from all periods of music, from the pre-Bach to the present day.

Voice. The voice major should be able to sing on pitch and show musical aptitude. Study will include good posture, relaxation, diaphragmatic breathing, good diction and vocal exercises, appropriate songs adapted to the student's needs and progress.

Organ. Piano facility satisfactory the instructor is prerequisite for study in organ. The study includes pedal scales, hymn playing, appropriate selections from the works of Bach, Mendelssohn, Franck, and Widor, as well as contemporary European and American compositions.

Brass Instruments. This study emphasizes proper breath control, enbrochure and position as well as good tone production and intonation for each instrument. Exercises and pieces suitable to the student's ability and progress are used.

Woodwind Instruments. This study emphasizes proper breath control, good intonation based on an understanding of pitch and pitch modification as well as technical facility with the instrument selected for study. Materials will be chosen on the basis of student's ability and progress.

String Instruments. The purpose of string instruction is to promote in the student the basic techniques of good intonation, clarity, refinement of fingering and bowing styles, and the development of tonal beauty. Emphasis is placed upon the importance of phrasing and interpretation.

Percussion Instruments. The student expecting to major in this are should have a background of the basic rudiments in snare drum and sufficient experience and preparation of the other percussion instruments to play a standard band number. The first year of study will emphasize the snare drum and the twenty-six rudiments along with suitable solo literature. The remainder of the four years will be devoted to the tympani and other traps and equipment with the main emphasis placed on the marimba.

Curriculum in Music: General and Instrumental Leading to the Bachelor of Science Degree and Teacher Certification.

Freshman Year		Sophomore Year	
	Hours		Hours
Education 100	1	English 201, 202, 203	9
English 101-102-103	9	Music 125-126*-127*	1-3
Mathematics 101-102-103	9	Music 201-202-203	9
Music 101-102-103	9	Music 204-205-206	3
Music 116-117-118	3	Applied Minor	3
Music 121-122-123	3	Applied Major	6
Applied Minor	3	Ensemble	3
Applied Major	6	Physical Education	3
Ensemble	3	Physical Science 101-102-103	9
Physical Education	3	Psychology 201	3
Speech 101	3	Social Science elective	3
	52		52-54
Junior Year		Senior Year	
	Hours		Hours
Biology 101-102-103	9	Education 404	15
Education 301-302	6	Education 419* or 420**	2
Education 307, 308	6	History 201, 202	6
Music 131-132-133*	2-3	Humanities elective	3
Music 304-305-306	9	Music 128*	1
Music 316, 317	4	Music 402	3
Applied Minor**	3	Music 403** or 404*	2
Applied Major	6	Music 405	3
Ensemble	3	Applied Major	4
Psychology 301-302-303	9	Ensemble	2
	57-58	Senior Recital	1
		Social Science elective	3
		Electives	6
			51

* Instrumental Majors

** General Majors

Curriculum in Music: Piano Pedagogy Leading to the Bachelor of Science Degree

This curriculum does not lead to certification by the State Department of Education, but is recognized by the certification board of the North Carolina Music Teachers Association in the field of private piano teaching.

Freshman Year		Sophomore Year	
	Hours		Hours
Education 100	1	English 201, 202, 203	9
English 101-102-103	9	History 201, 202	6
French or German 101-102-103	9	Music 201-202-203	9
Music 101-102-103	9	Music 204-205-206	3
Music 116-117-118	3	Applied Minor	3
Applied Minor	3	Applied Major	9
Applied Major	6	Physical Education	3
Physical Education	3	Psychology 201	3
Physical Science 101-102-103	9	Social Science elective	3
	52	Speech 101	3
			51

Junior Year	Hours	Senior Year	Hours
Education 301-302	6	Education 404	15
Education 309	3	Music 402	3
Humanities elective	3	Music 403	2
Music 176	3	Music 405	3
Music 304-305-306	9	Music 452	3
Music 316	2	Music 416	2
Applied Major	12	Applied Major	12
Psychology 301-302-303	9	Electives	6
Social Science elective	3		—
	—		46
	50		

The freshman and sophomore years of the curriculum leading to the Bachelor of Arts degree are similar to the first two years of the above curriculums. The junior and senior years will be devoted to completing major and minor requirements, foreign language requirements, and approved electives.

Courses of Instruction in Music

010-011-012; 110-111-112;

210-211-212; 310-311-312;

410-411-412. APPLIED MUSIC MINOR (1-1-1). F-W-S.

One 30-minute individual lesson and six practice hours a week. 010-011-012 is designed for students below the freshman level and carries general college credit but no credit toward the music major.

013-014-015; 113-114-115;

213-214-215; 313-314-315;

413-414-415. APPLIED MUSIC MAJOR (2 to 4 each quarter) F-W-S.

Two 30-minute individual lessons and six practice hours per week for each quarter hour credit. 013-014-015 is designed for students below the freshman level and carries general college credit but no credit toward the music major.

101-102-103. BASIC THEORY (3-3-3). F-W-S.

A course in the fundamentals of music, triads, seventh chords, and non-harmonic tones approached through the integrated avenues of analyzing, creating, reading, listening, writing, and performing. The more abstract relationships of melody, rhythm, and form in several textures are included. Lecture and demonstration five hours.

116-117-118. MUSIC LITERATURE (1-1-1). F-W-S.

A survey of representative piano, vocal and instrumental literature of the classical, romantic, impressionistic, and modern periods. For music majors only.

121-122-123. STRING CLASS (1-1-1). F-W-S.

A presentation of the fundamental principles involved in playing and teaching stringed orchestral instruments. Lecture and demonstration two hours.

125. WOODWIND CLASS I (1). F.

Group instruction in the fundamental principles of woodwind technique. Laboratory two hours.

- 126-127. WOODWIND CLASS II (1-1). W-S.
A presentation of the fundamental principles involved in playing and teaching each woodwind instrument. Prerequisite: Music 125 or equivalent. Lecture and demonstration two hours.
- 128-129-130. VOICE CLASS (1-1-1). F-W-S.
A presentation of the fundamentals of singing for teaching and performance. Lecture and demonstration two hours.
131. BRASS CLASS (1). F.
Group instruction in the fundamental principles of brass technique. Laboratory two hours.
132. PERCUSSION CLASS (1). W.
Group instruction in the fundamental principles of snare drum, bass drum, and cymbal technique. Laboratory two hours.
133. BRASS AND PERCUSSION (1). S.
A presentation of the fundamental principles involved in playing and teaching each brass and percussion instrument. Prerequisite: Music 131 and 132 or equivalent. Lecture and demonstration two hours.
- 134-135-136. PIANO CLASS (1-1-1). F-W-S.
Group instruction in the fundamental principles of piano technique.
- 201-202-203. INTERMEDIATE THEORY (3-3-3). F-W-S.
A continuation of basic theory. Written and analytical work in chromaticism and modulation; survey of the homophonic style from 1700 to 1900 and introduction to 20th Century stylistic practices; the study of these elements of music in relation to actual voice, piano and ensemble texture. Lecture and demonstration three hours.
- 204-205-206. INTERMEDIATE SIGHT SINGING AND DICTATION (1-1-1). F-W-S.
A continuation of basic theory drill in aural training, sight singing, and keyboard work. Laboratory three hours.
217. MUSIC APPRECIATION (3). F;W;S;SS.
A non-technical course designed for students with little or no musical background. Emphasis is placed upon listening to music and finding pleasure in it.
- 301-302-303. MUSIC FOR CLASSROOM TEACHERS (2-2-2). F-W-S;SS.
The courses are designed to increase the musicianship of the prospective elementary teacher and to develop an adequacy in music teaching methods. Performance examinations will be given on the phases of work where required. Lecture and demonstration three hours.
- 304-305-306. MUSIC HISTORY (3-3-3). F-W-S.
A comprehensive study tracing the evolution of music as an art. Emphasis is placed upon the parallel development of the various arts in their relation to music against the cultural background of history, with suggestions for social and political understandings.
307. MUSIC IN THE ELEMENTARY SCHOOL (3). W.
Materials and methods in the field of music teaching in the elementary school. Music in the integrated program; emphasis on the creative phases and the development of musicianship; observation of teaching procedures with children. Designated for music majors. Same as Education 307.
308. MUSIC IN THE HIGH SCHOOL (3). S.
A study of the organization and direction of the music program in the secondary school. Materials for the adolescent voice, elementary theory, music

appreciation, operettas, and program building are surveyed. Designated for music majors. Same as Education 308.

309. PIANO PEDAGOGY (3). W.
The teaching of piano with a study of various approaches in private and class methods; problems of setting up and operating a studio. Same as Education 309.
316. CHORAL CONDUCTING (2). F.
A laboratory course in problems of choral conducting. Supervised conducting experience is provided. Lecture and demonstration three hours.
317. INSTRUMENTAL CONDUCTING (2). S.
A laboratory course in problems of instrumental conducting; supervised conducting experience provided. Lecture and demonstration three hours.
402. FORM AND ANALYSIS (3). S.
A study of various forms of composition including song forms, dance forms, rondo, canon and fugue, and sonata form, with critical analysis of composition for voice, chorus, piano, solo instruments, and small ensembles. Lecture and demonstration four hour.
403. CHORAL ARRANGING (2). W.
The technique of arranging for school choral groups including the problems of voice range, quality, flexibility, stamina, and tessitura. Lecture and laboratory three hours.
404. INSTRUMENTAL ARRANGING (2). S.
A study of the instruments of the band and orchestra in regard to range, tone quality, and appropriate use in instrumental ensembles, including practice in arranging. Lecture and laboratory three hours.
405. ADVANCED THEORY: COUNTERPOINT (3). W.
A survey of the basic stylistic traits of the 13th, 16th, 18th, and 20 century styles of contrapuntal music with a detailed study of the more commonly heard 16th and 18th century styles. The work involves written exercises and compositions in two through four parts, various canons and other contrapuntal forms, analysis, dictation, and sight-singing in two and three parts. Lecture and demonstration four hours.
416. SENIOR RECITAL (1 or 2). F-W-S.
One hour credit for half-recital. Two hours credit for full recital.
419. INSTRUMENTAL METHODS AND MATERIALS (2). W.
A comprehensive survey of the materials and methods employed in instrumental class teaching. Lecture and demonstration three hours. Prerequisites: Education 301, 302, and Psychology 301, 302, 303. Same as Education 419.
420. CHORAL METHODS AND MATERIALS (2). S.
A comprehensive survey of the materials and methods employed in choral teaching. Prerequisites: Education 301, 302, and Psychology 301, 302, and 303. Same as Education 420.
430. INDEPENDENT WORK IN MUSIC (3). F;W;S.
Research in some phase of music to meet the needs and professional interests of the individual.

Senior-Graduate Courses

451. CHORAL MATERIALS AND LITERATURE (3). W;SS.
A study of choral literature for mixed chorus, girls' glee club, boys' glee club, small ensembles, and church choirs. Offered 1966 SS.
452. PIANO LITERATURE. (3). W or S;SS.
The study of the literature for piano from the pre-Bach to the present day through performance, analysis, and recordings. Offered 1966 SS.
453. INSTRUMENTAL MATERIALS AND LITERATURE (3). W;SS.
An advanced instrumental methods course offering a comprehensive survey of the available instrumental literature, methods, and materials. Offered 1965 SS.
454. PROBLEMS IN ELEMENTARY SCHOOL MUSIC (3). S;SS.
Music teaching in the primary and grammar grades; research and demonstrations of methods of teaching elementary school children. Offered 1967 SS.
455. INSTRUMENT REPAIR AND ADJUSTMENT (3). S;SS.
The repair and care of stringed, wind, and percussion instruments. Offered 1966 SS.
457. STRINGS (3). SS.
Fundamental principles involved in playing and teaching orchestral stringed instruments. Designed for the graduate student who has had little or no training in strings but who wishes to prepare himself for beginning string work. Offered 1967 SS.
458. WOODWINDS (3). SS.
Fundamental principles involved in playing and teaching the woodwind instruments. Offered 1965 SS.
460. BAND PAGEANTRY (3). F;SS.
A study of the fundamentals of marching, precision drilling, formations, and maneuvering; the planning of football shows and parades. Offered 1967 SS.
461. PIANO WORKSHOP (3). SS.
462. INSTRUMENTAL WORKSHOP (3). SS.
469. MUSIC EDUCATION WORKSHOP (3). SS.
Same as Education 469.
475. MUSIC IN CONTEMPORARY LIFE (3). SS.
A course designed to acquaint the student with music which has influenced our present culture. Areas to be explored are music in the church, folk music, music in the concert hall, music on the stage, political and social reflections in music.

Graduate Courses

A graduate major in music consists of 36 hours, including 500, 501, 502, 503, 505, and 531.

500. BIBLIOGRAPHY AND RESEARCH (3). F;SS.
A study of bibliographical problems, types of research, and organization and reporting of research. Required in the first quarter of all beginning graduate music students.
- 501 [500]. MUSIC OF BAROQUE AND CLASSICAL PERIODS (3). F;SS.
A comprehensive study of music in western civilization during the Baroque and Classical periods.

- 502 [501]. MUSIC OF THE ROMANTIC PERIOD (3). W;SS.
A comprehensive study of music in western civilization during the Romantic period.
- 503 [502]. MUSIC OF THE TWENTIETH CENTURY (3). S;SS.
A comprehensive study of music in western civilization during the present century. Offered 1966 SS.
- 505 [503]. ADVANCED CONDUCTING (3). W;SS.
Emphasis upon the critical examination of both choral and instrumental scores, with the development of conducting skills necessary in securing the desired effects.
504. ADVANCED INSTRUMENTATION AND BAND ARRANGING (3). On demand;SS.
Arranging music for the school band and orchestra; projects growing out of actual problems involving substitutions of instruments and arrangements of scores. Offered 1966 SS.
507. MUSIC IN THE CURRICULUM (3). S;SS.
Music and its place in the elementary school curriculum. For classroom teachers and music specialists.
508. INSTRUMENTAL ORGANIZATION AND ADMINISTRATION (3). On demand;SS.
Problems of scheduling, housing, purchasing equipment, and financing the school instrumental program. Offered 1965 SS.
509. MUSIC IN JUNIOR HIGH SCHOOL (3). SS.
Current practices and trends in curriculum and instructional materials in junior high school, including choral and instrumental methods. Offered 1966 SS.
- 510-511-512. APPLIED MUSIC (1-1-1). F-W-S,SS.
One 30 minute individual lesson and six practice hours a week. Before being admitted to graduate standing in applied music, the student must demonstrate a graduate level of performance before a music faculty committee.
- 513-514-515. APPLIED MUSIC (2-2-2). F-W-S,SS.
Two 30 minute individual lessons and twelve practice hours a week. Before being admitted to graduate standing in applied music, the student must demonstrate a graduate level of performance before a music faculty committee.
516. MUSIC ACTIVITIES IN THE ELEMENTARY SCHOOL (3). F;SS.
Designed for the classroom teacher and covering a five-point program for children; singing, playing, creating, listening, and rhythmic activities.
517. MUSIC IN SENIOR HIGH SCHOOL (3). SS.
Study of the broad implications of the function and role of music in the modern high school, including study of music curriculum problems, instructional materials, and methods. Offered 1965 SS.
529. ORGANIZATION AND SUPERVISION OF SCHOOL MUSIC (3). W;SS.
The responsibilities of the music supervisor in relation to the classroom teacher, music teacher, and school administration. Same as Education 529.
531. SEMINAR IN MUSIC (3). F;SS.
A review of the philosophy and practice in music education; reading of current studies, articles, books.
548. INDEPENDENT STUDY (3). F;W;S;SS.
550. MASTER OF ARTS THESIS (6). F;W;S.

MUSIC PERFORMING GROUPS

A major in music must participate in instrumental and/or choral organizations for a minimum of eleven quarters. He may participate in more than one ensemble each quarter but he may not receive more than 11 elective quarter hours for participating in ensembles.

170. MARCHING BAND (1) . F.
The Marching Band functions in close co-operation with the athletics association during the football season. Its appearances include pep rallies, half-time shows, parades and several out-of-town performances. Membership is open to all college students who play band instruments. The band has a collection of instruments which are available for use by its members. Rehearsals five hours.
171. CONCERT BAND (1,1) . W.S.
The Concert —Band forms an integral part of college life and is an all-college organization. Membership is open to all students who play band instruments. The band is a valuable laboratory for instruction in wind instruments. Concerts are given during the year both on the campus and in nearby communities. Rehearsals four hours.
172. COLLEGE CHOIR (1,1,1) . F,W,S.
The Choir is open to all students who have musical talent and who are interested in singing. Opportunity is given for both accompanied and unaccompanied singing, including the study and performance of many fine choral works and styles. Throughout the year the Choir appears in concerts locally and in various cities in the state and adjoining states. Rehearsals three hours.
173. WOMEN'S GLEE CLUB (1,1,1) . F,W,S.
The Women's Glee Club is open to all women students who desire to sing. The Glee Club repertoire consists of choice arrangements for girls' voices in two, three, and four parts and is designed for public programs for special occasions. Rehearsals two hours.
174. COLLEGE SYMPHONY ORCHESTRA (1,1,1) . F,W,S.
The Orchestra is open to all students who have ability and experience in playing any orchestral instrument. Emphasis is placed on securing good ensemble as well as the technical, dynamic, and interpretive demands of the compositions performed. The Orchestra appears in concert several times during the year. Rehearsals two hours, with additional sectional rehearsals.
175. APPALACHIAN CHORALE (1,1,1) . F,W,S.
The Chorale is composed of sixteen selected voices. Individual tryouts are held at the beginning of each school year to fill vacancies. Throughout the year the group appears in concerts for school and civic affairs in North Carolina and neighboring states. Rehearsals two hours.
176. PIANO ENSEMBLE (1,1,1) . F,W,S.
Supervised study and performance of duo-piano literature. Rehearsals two hours.

DEPARTMENT OF PHILOSOPHY AND RELIGION

O. K. WEBB, JR., *Acting Chairman*, E. G. WOODCOCK

A major in philosophy and religion leading to the Bachelor of Arts degree consists of thirty-nine quarter hours above General Education requirements, including Philosophy 201, 202, 203, 301, Religion 201, 203, 302, 303, and fifteen

quarter hours in approved electives. A student is required to take the Aptitude Test and the Advanced Test, if available, of the Graduate Record Examination.

A minor in philosophy and religion consists of eighteen hours above General Education requirements.

Curriculum in Philosophy and Religion Leading to the Bachelor of Arts Degree

Freshman Year	Hours	Sophomore Year	Hours
Education 100	1	Biology 101-102-103	
English 101-102-103	9	or 104-105-106	9-12
History 101, 102, 103	9	English 201, 202, 203	9
Mathematics 101-102-103		History 201, 202	6
or 107-108	9-10	Humanities electives	6
Physical Education	3	Philosophy 201, 202, 203	
A Physical Science	9-12	or Religion 201, 202	9-6
Speech 101	3	Physical Education	3
Elective	3	Psychology 201	3
		Social Science electives	6
	46-50		51

The junior and senior years will be devoted to completing major and minor requirements, foreign language requirements, and approved electives.

Courses of Instruction in Philosophy and Religion

PHILOSOPHY

201. ANCIENT PHILOSOPHY (3) . F.
An introduction to philosophy through the study of the pre-Socratic philosophers and of Plato and Aristotle.
202. MEDIEVAL AND RENAISSANCE PHILOSOPHY (3) . W.
A study of Neoplatonism, early Christian ideas and thinkers of the medieval and renaissance eras, with concentration especially on Augustine and Thomas Aquinas.
203. MODERN PHILOSOPHY (3) . S.
A study of the views of eminent philosophers of the seventeenth, eighteenth, and nineteenth centuries.
204. CONTEMPORARY PHILOSOPHY (3) . S.
A study of the views of eminent philosophers of the twentieth century.
301. LOGIC (3) . F.
A study of logistic method, cogency and clarity in reasoning, deductive and inductive reasoning. The purpose is to develop the student's capacity for accurate reasoning and sustained reflection.
302. ETHICS (3) . F;W;S.
A study of the nature and evolution of ethical and moral ideas.
303. AESTHETICS (3) . W.
A study of aesthetic values in art, literature, music, architecture.
304. PHILOSOPHY OF RELIGION (3) . F.
A study of the concepts of God, problems of good and evil, freedom and determination, revelation, mysticism.

305. PHILOSOPHY IN AMERICA (3) . S.
A study of the principal movements in philosophical thought in America, such as puritanism, enlightenment, transcendentalism, pragmatism, naturalism; selected readings from outstanding American philosophers.
401. METAPHYSICS AND EPISTEMOLOGY (3) . W.
Exploration of the problems of being and knowledge, through study of selected philosophers.

RELIGION

201. OLD TESTAMENT HISTORY (3) . F;W;S.
A study of the origin and growth of the Israelite people, and the development of their social, ethical, and spiritual ideals.
202. OLD TESTAMENT PROPHETS AND THEIR MESSAGE (3) . W.
The background, life, message, and present significance of the Hebrew prophets.
203. THE LIFE AND RELIGION OF CHRIST (3) . F;W;S.
A study of the principal facts of the life of Christ with special attention to his teachings and the development of his mission.
301. THE LIFE AND LETTERS OF PAUL (3) . F.
A survey of the life and teachings of Paul, giving special consideration to his contribution to the thought and spread of Christianity.
302. RELIGIONS OF THE WORLD (3) . W.
A study of primitive religion and the historical developments of the religions of India, China, and Japan.
303. RELIGIONS OF THE WORLD (3) . S.
A study of the historical development of the religions of Zoroastrianism, Judaism, Christianity, and Islam.
304. HEBREW POETRY AND WISDOM LITERATURE (3) . F.
A study of the characteristics of Hebrew poetry and a survey of the contents of the poetical and wisdom books of the Old Testament with special emphasis on Job, Psalms, and Proverbs. Not offered 1965-66.
401. CONTEMPORARY RELIGIOUS THOUGHT (3) . F.
Study of the main developments in recent religious thought as seen in such twentieth century thinkers as Paul Tillich, Reinhold Niebuhr, Jacques Maritain, Martin Buber, William Temple, and Karl Barth.

DEPARTMENT OF PHYSICS

W. C. CONNOLLY, *Chairman*, T. L. ROKOSKE.

A major in physics leading to the Bachelor of Arts degree consists of forty-two quarter hours above General Physics, including 301, 302, 303, 315, 320, 404, 425, 440, 441, 450, and eleven to thirteen quarter hours in approved electives. A student is required to take the Aptitude Test and the Advanced Test of the Graduate Record Examination.

A minor in physics consists of twenty-one quarter hours above General Physics, including 301, 303, 315, 320, and six quarter hours in approved electives.

A major in physics leading to the Bachelor of Science degree and teacher certification consists of a minimum of forty-eight quarter hours in physics, including 201-202-203 or 204-205-206, 301, 302, 303, 315, 320, 404, 425, 440, 441,

450 and Mathematics 211-212-213, 311-312. A student is required to take the Common Examinations and the Physics Examination of the National Teacher Examination.

Mathematics 211-212-213 is prerequisite or corequisite to 300 and 400 level courses.

Curriculum in Physics Leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year		Hours	Sophomore Year		Hours
Chemistry 101-102-103 or 104-105-106		12-13	Biology 101-102-103 or 104-105-106		9-12
Education 100		1	English 201, 202, 203		9
English 101-102-103		9	Mathematics 211-212-213		15
History 201, 202		6	Physics 201-202-203 or 204-205-206		12-15
Mathematics 101-102-108 or 107-108		11-10	Physical Education		3
Physical Education		3	Elective		3
Psychology 201		3			-----
Speech 101		3			51-54

		48			
Junior Year		Hours	Senior Year		Hours
Education 301-302		6	Education 407		15
Education 409		3	Humanities electives		6
History 201, 202		6	Physics 404, 425		6
Mathematics 311-312		6	Physics 440, 441		2-4
Physics 301, 302, 303		11	Physics 450		1
Physics 315, 320		7	Physics elective		6
Psychology 304-305-306		9	Social Science elective		3
Social Science elective		3	Electives		6
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		51			45-47

For the Curriculum in Science Leading to the Bachelor of Science degree and teaching certification, see page 157.

The freshman and sophomore years of the curriculum in physics leading to the Bachelor of Arts degree are similar to the first two years of the curriculum above. The junior and senior years will be devoted to completing major and minor requirements, foreign language requirements, and approved electives.

Courses of Instruction in Physics

201-202-203. GENERAL PHYSICS (4-4-4) . F-W-S.

A study of the basic principles of physics; mechanics, heat, sound, electricity, magnetism, and light. Prerequisite: Mathematics 101, 102, 108 or 107, 108. Lecture three hours, laboratory three hours. Physics 201-202-203 or 204-205-206 prerequisite to 300 courses and above.

204-205-206. GENERAL PHYSICS (5-5-5) . F-W-S.

A more analytical and quantitative approach to modern and classical physics employing the calculus. Especially designed for students majoring in physics, chemistry, and mathematics. Prerequisite or co-requisite: Mathematics 211-212-213. Lecture four hours, laboratory three hours. Physics 201-202-203 or 204-205-206 prerequisite to 300 courses and above.

208 [204]. HOUSEHOLD PHYSICS (3) . F.

The use and application of the principles of physics as they occur in modern household equipment. Prerequisite: 9 hours of mathematics. Lecture two hours, laboratory two hours. Not open to students who have credit for 201-202-203.

- 215 [307]. DESCRIPTIVE ASTRONOMY (3) . S.
A study of the celestial sphere—sun, moon, planets, asteroids, meteors, comets; measurement of time; astronomical instruments; non-mathematical approach. Lecture three hours.
301. MECHANICS (4) . F.
Selected topics in dynamics, motion of a system of particles, motion of rigid bodies, vibrating strings and wave motion. Prerequisite: Mathematics 211-212-213. Lecture three hours, laboratory three hours.
302. HEAT AND THERMODYNAMICS (3) . W.
A study of the first and second laws of thermodynamics, including topics such as temperature measurements, transfer of heat, evaporation and chemical reactions. Lecture three hours.
303. ELECTRICITY AND MAGNETISM (4) . S.
A study of electric and magnetic phenomena; electromagnetic induction; direct and alternating currents. Lecture three hours, laboratory three hours.
310. SOUND AND ULTRASONICS (4) . F.
A study of sound velocity and transmission in various media; attenuation and energy considerations; ultrasonic experiments and developments. Lecture three hours, laboratory three hours.
- 315 [401]. OPTICS (4) . W.
A study of reflection and refraction, lenses and mirrors, electromagnetic waves, interaction of light with matter, optical instruments. Lecture three hours, laboratory three hours.
- 320 [402]. MODERN PHYSICS (3) . S.
A study of the more recent discoveries and developments in physics. Atomic and molecular spectra; x-rays; natural and artificial radioactivity; nuclear fission; cosmic rays; high energy accelerators. Lecture three hours.
403. ELECTRONICS (4) . W.
Simple alternating current theory; vacuum, gas discharge tubes and transistors; thermionic emission; space charge phenomena; circuit analysis; electron ballistics; voltage and current amplifiers. Lecture three hours laboratory three hours.
404. NUCLEAR PHYSICS (3) . F.
A treatment of nuclear reactions, properties of alpha, beta, gamma rays, cosmic rays, natural radio activity, particle accelerators, nuclear changes and energy relations. Lecture three hours.
415. REACTOR PHYSICS I (3) . F.
A brief account of nuclear physics; basic instrumentation; interaction of neutrons with matter; chain reactions; neutron diffusion; the bare homogeneous thermal reactor; lattice constants; reactor kinetics. Prerequisite: Physics 320, Mathematics 311-312. Lecture three hours.
416. REACTOR PHYSICS II (3) . W.
Homogeneous reactor with reflector; reactor control; power reactors; thermal aspects of reactor systems; design variables; radiation detection and measurement; shielding; radiation hazards. Prerequisite: Physics 415. Lecture three hours.
425. KINETIC THEORY OF GASES (3) . W.
Classical kinetic theory of gases, including theorems of Clausius, Joule, Maxwell, and Boltzmann; coefficients of viscosity and slip; Brownian movements; specific heat relations, equations of changes of state. Prerequisite: Physics 302. Lecture three hours.

430. **ADVANCED MECHANICS** (3). F.
D'Alembert's Principle; Lagrange's method; Hamilton's Principle and Equations; principle of least action; calculus of variations; canonical variables. Prerequisite: Physics 301. Lecture three hours.
435. **ADVANCED ELECTRICITY AND MAGNETISM** (3). S.
Maxwell's formulation of classical electromagnetic theory. Includes electrostatics; potential problems; electrical currents; Maxwell's equations; electromagnetic waves; radiation theory. Prerequisite: Physics 303. Lecture three hours.
- 440, 441, 442 [405, 406, 407]. **EXPERIMENTAL PHYSICS** (Maximum credit 6). F,W,S.
Advanced laboratory in mechanics, heat, optics, sound, light nuclear physics, electricity and magnetism. Laboratory three hours.
450. **SEMINAR** (Variable credit). F;W;S.
A study of current physics research results.
470. **PHYSICS FOR HIGH SCHOOL TEACHERS** (3). SS.
A study of the fundamental laws of mechanics, heat, sound, light, and electricity. Newton's law of motion, conservation of energy and momentum, and transfer of energy. A review of recent developments in physics. Lecture three hours. Not open to majors in physics.

DEPARTMENT OF POLITICAL SCIENCE

W. T. NICHOLS, *Acting Chairman*, W. F. TROUTMAN, JR.

A major in political science leading to the Bachelor of Arts degree consists of thirty-six quarter hours above General Education requirements, including 201, 202, 203, and twenty-seven quarter hours in approved electives. A student is required to take the Aptitude Test and the Advanced Test of the Graduate Record Examination.

A minor in political science consists of eighteen quarter hours, including 201, 202, 203, and nine quarter hours in approved electives.

A major in political science leading to the Bachelor of Science degree and teacher certification consists of thirty-six quarter hours in political science above General Education requirements, including 201, 202, 203 and twenty-seven quarter hours in approved electives. A student is required to take the Common Examinations and the Social Science Examination of the National Teacher Examination.

For the curriculum in social science leading the the Bachelor of Science degree and teacher certification, see page 158.

Curriculum in Political Science Leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year	Hours	Sophomore Year	Hours
Education 100	1	Biology 101-102-103	
English 101-102-103	9	or 104-105-106	9-12
History 101, 102, 103	9	English 201, 202, 203	9
Mathematics 101-102-103		History 201, 202, 203	9
or 107-108	9-10	Humanities elective	3
Physical Education	3	Physical Education	3
A Physical Science	9-12	Political Science 201, 202, 203	9
Speech 101	3	Psychology 201	3
Elective	3	Sociology 201	3
	46-50		48-51

Junior Year	Hours	Senior Year	Hours
Education 301-302	6	Education 407	15
Education 410 or elective	3	Education 410 or elective	3
Humanities elective	3	Political Science electives	12
Political Science electives	15	Electives	15
Psychology 304-305-306	9		—
Social Science elective	3		45
Electives	6		
	—		
	45		

The freshman and sophomore years of the curriculum in political science leading to the Bachelor of Arts degree are similar to the first two years of the above curriculum. The junior and senior years will be devoted to completing major and minor requirements, foreign language requirements, and approved electives.

Courses of Instruction in Political Science

201. AMERICAN NATIONAL GOVERNMENT (3). F;W;S.
A study of the formation and development of the national government, its organization, functions, and powers.
202. PROBLEMS AND POLICIES OF AMERICAN GOVERNMENT (3). W;S.
A study of the policies, function, and programs of the national government. Specific policies in the areas of labor, agriculture, business, welfare, civil rights, and national security are critically analyzed against a background of history, politics, and governmental institutions. Prerequisite: 201.
203. AMERICAN STATE AND LOCAL GOVERNMENT (3). W;S.
A study of the organization, functions, and powers of state and local government in the United States.
302. POLITICAL THEORY THROUGH THE SEVENTEENTH CENTURY (3). F.
A survey and analysis of political thought from Plato through the seventeenth century, including selected writings of Plato, Aristotle, Aquinas, Machiavelli.
303. MODERN POLITICAL THOUGHT (3). W.
A historical survey and philosophical analysis of political thought from the Reformation through the nineteenth century.
304. CONTEMPORARY POLITICAL THOUGHT (3). S.
A critical study of the principal political theories of the present day.
309. AMERICAN POLITICAL PARTIES (3). F.
A study of the nature, organization, administration, function of political parties, with consideration given to their role in democracy, pressure groups, problems of American suffrage, political campaigning.
310. INTERNATIONAL RELATIONS (3). W.
A survey of the problems in international relations, including power politics and organizations for settling international problems.
311. COMPARATIVE GOVERNMENT AND POLITICS (3). S.
A study of the parliamentary governments of Western Europe (Great Britain, France, Germany), with emphasis upon the similarities and differences with the government of the United States. Prerequisite: 201.

312. SOVIET UNION (3) . S.
An analysis of the political and economic system of the Soviet Union and of Communism as a world movement; Soviet foreign policy before and after World War II. Not offered 1965-66.
320. CONSTITUTION OF THE UNITED STATES (3) . S.
A study of the fundamental elements and principles of the American Constitution. Same as History 320.

Senior-Graduate Courses

451. GOVERNMENTS AND POLITICS OF ASIA (3) . F.
A study of the policies and institutions of the major Asian governments. Primary emphasis is given to the political evolution and current implementation of the major internal and foreign policies of Japan, China, and India. Not offered 1965-66.
452. LATIN AMERICAN GOVERNMENT AND POLITICS (3) . F.
The structure and dynamics of Latin American political institutions. Attention is given to formal institutions and to basic social, economic, and cultural factors.
455. AMERICAN POLITICAL THOUGHT (3) . W.
A study of the main currents of political thought in the United States from 1776 to the present.
458. PROBLEMS IN INTERNATIONAL RELATIONS (3) . F.
An intensive survey of selected issues in international politics contributing to disputes between states and of attempts—diplomatic, legal, organizational, and political—to settle such disputes.
460. AMERICAN FOREIGN POLICY (3) . W.
A study of the political process by which contemporary foreign policy is made and executed.
462. CONSTITUTIONAL LAW OF THE UNITED STATES (3) . S.
An intensive study of the court decisions which have contributed to the contemporary interpretation of the American Constitution.
469. DEVELOPMENT OF THE BRITISH CONSTITUTION (3) . S.
A study of the British political institutions, particularly the Monarchy, Parliament, and the Common Law of England, as they have evolved. Same as History 469.

Graduate Courses

510. DEMOCRATIC AND TOTALITARIAN SYSTEMS (3) . SS.
A comparative analysis of constitutional democracy and totalitarian systems.
511. INTERNATIONAL LAW (3) . S.
A study of the legal responsibilities and obligations recognized by the principal nations of the world. Not offered 1965-66.
512. INTERNATIONAL ORGANIZATIONS (3) . S.
A survey of the structure and functions of such international organizations as the League of Nations, the United States, NATO, and other selected regional and specialized international institutions.
540. SEMINAR (3-6) . On Demand.

DEPARTMENT OF PSYCHOLOGY

S. H. PETTIGREW, *Acting Chairman*, E. JENKINS, B. R. JOHNSON, W. T. SNIPES, G. R. WESLEY.

A major in psychology leading to the Bachelor of Arts degree consists of thirty-six quarter hours above General Education requirements including Psychology 202, 325, 440, 455, and approved electives. A student is required to take the Aptitude Test and the Advanced Test of the Graduate Record Examination.

A minor in psychology consists of eighteen quarter hours above General Education requirements, including Psychology 202 and approved electives.

Curriculum in Psychology Leading to the Bachelor of Arts Degree

Freshman Year	Hours	Sophomore Year	Hours
Biology 104-105-106	12	English 201, 202, 203	9
Education 100	1	History 201, 202	6
English 101-102-103	9	Humanities elective	3
History 101, 102, 103	9	Physical Education	3
Mathematics 101-102-103		A Physical Science	9-12
or 107-108	9-10	Political Science 201	3
Physical Education	3	Psychology 202	3
Psychology 201	3	Sociology 201	3
Speech 101	3	Anthropology 210	3
		Electives	6
	49-50		48-51

The junior and senior years will be devoted to completing major and minor requirements, foreign language requirements, and approved electives.

Courses of Instruction in Psychology

201. GENERAL PSYCHOLOGY (3). F;W;S.
This course emphasizes psychology as a science of human behavior; man as a biological organism in a social world; man as a motivated person with attitudes, emotions, needs, desires; man as a thinking, imagining, reasoning, learning person. Attempts are made to relate man to his biological, physical, cultural, and personal worlds.
202. GENERAL PSYCHOLOGY (3). F;S.
A continuation and extension of Psychology 201. Emphasis placed on emotional social handicaps, cognitive processes, personality, group-related behavior, communication, and industrial psychology.
301. CHILD GROWTH AND DEVELOPMENT (3). F;W;S.
A study of the principles of growth and development of the child beginning with prenatal factors. Biological, emotional, social, and intellectual aspects are examined.
302. EDUCATIONAL PSYCHOLOGY OF THE CHILD (3). F;W;S.
A study of the learning processes of the elementary school child, including motivation, individual differences, aptitude, creativity, and other areas related to teaching.
303. PERSONALITY PROBLEMS OF THE CHILD (3). F;W;S.
The course is concerned with the problems met in the life patterns of young children. Effective and unsuccessful kinds of adaptation are contrasted.

- 304 [301]. ADOLESCENT PSYCHOLOGY (3). F;W;S.
A study of individual and social development from early adolescence to early adulthood. The nature and source of the problems in western culture and the relationship between social and individual patterns are discussed.
- 305 [302]. EDUCATIONAL PSYCHOLOGY OF THE ADOLESCENT (3). F;W;S.
Learning activities of the adolescent youth are studied, including motivation, individual differences, aptitude, creativity, and other areas related to teaching.
- 306 [303]. PERSONALITY PROBLEMS OF THE ADOLESCENT (3). F;W;S.
The course is concerned with the problems met in the life patterns of adolescent youth. Effective and unsuccessful kinds of adaptation are contrasted.
325. ELEMENTARY STATISTICS (3). F;W;S.
A study of the presentation and analysis of quantitative data; statistical sources; table reading, chart making; introduction to index numbers, correlation, and time series. Same as Economics 325.
- 401 [451]. SOCIAL PSYCHOLOGY (3). W.
A study of social implications and applications of group stimulation, response, interaction, change, and sometimes disintegration.
- 402 [452]. ABNORMAL PSYCHOLOGY (3). F;SS.
A study of various abnormal phases of behavior; treatment and prevention of certain mental diseases; examination of recent clinical and experimental findings.
403. PHYSIOLOGICAL PSYCHOLOGY (3). S.
An examination of the biological correlates of behavior, structure and functions of the sensory and motor systems, endocrine and metabolic processes.
405. HISTORY AND SYSTEMS OF PSYCHOLOGY (3). W.
An overview of the origins and development of psychological concepts, movements, and fields of study. An objective of the course is to increase understanding of psychological issues, formulations, and methodologies. Prerequisites: 202 and nine hours of psychology.
440. SEMINAR IN PSYCHOLOGY (3). S.
A survey of the major theories in various fields of psychology. Individual study and research are emphasized. Prerequisites: 202 and nine hours of psychology.

Senior-Graduate Courses

450. PSYCHOLOGY OF PERSONALITY (3). F;W;S.
A study of factors involved in the development and assessment of the normal personality.
453. CLINICAL PSYCHOLOGY (3). W.
An introduction to psychological methods of helping emotionally and organically handicapped persons. A wide variety of diagnostic and treatment methods are examined. Prerequisites: 202, 402, and nine hours of psychology.
454. PROJECTIVE TECHNIQUES (3). S.
A study of the theory and methods of assessing personality by projective techniques. Among the methods considered are the Four-Picture Test,

the TAT, word association and sentence completion, drawings, the Bender-Gestalt Test, and others. Prerequisites: 202, 402, and 450.

- 455 [528]. PSYCHOLOGY OF LEARNING (3). F;W;S.
A study of the learning process; conditions which influence learning; theories of learning.
460. PSYCHOLOGY OF THE HANDICAPPED (3). F;S.
Examination of psychological and sociological problems associated with handicapping conditions: mental and physical.
465. EXPERIMENTAL PSYCHOLOGY (3). W.
A concentration upon the description of problems, methods, design, and procedures for analyzing data.
499. PSYCHOLOGY OF EARLY CHILDHOOD (3). F.
A study of the origin of life and the principles of growth operative during the prenatal, postnatal, infant, and early childhood periods; the first five years of life. This course is offered in conjunction with the nursery school. Opportunities for developing understanding through systematic observation and individual case history studies are extended to the students.

Graduate Courses

500. PSYCHOLOGY OF LATE CHILDHOOD (3). W.
A study of childhood behavior from the ages of five through ten. Physiological, emotional, social, and intellectual aspects are examined.
501. PSYCHOLOGY OF EARLY ADOLESCENCE (3). W.
A consideration of the physical, intellectual, social and emotional changes expected during early adolescence.
502. PSYCHOLOGY OF LATE ADOLESCENCE (3). S.
A consideration of the physical, intellectual, social and emotional changes expected during late adolescence.
510. PSYCHOLOGY OF THE GIFTED (3). W.
A study of the identification, needs, and motivation of the gifted and of research conducted with this group.
512. PSYCHOLOGY OF THE SOCIALLY AND EMOTIONALLY MALADJUSTED (3). SS.
Characteristics, identification, and programs of prevention and re-education for both the emotionally distributed and the socially maladjusted.
519. ANALYSIS OF THE INDIVIDUAL (3). W.
An application of psychological principles and guidance techniques of self-appraisal in order to be more effective with the appraisal of the personality of others. Prerequisite: 450.
526. USE AND INTERPRETATION OF INDIVIDUAL TESTS (3). S.
A study of the development, standardization, administration, and interpretation of the Wechsler Intelligence Scales. Supervised practice in administration. Prerequisite: Education 456 or equivalent.
527. USE AND INTERPRETATION OF INDIVIDUAL TESTS (3). W.
A study of the development, standardization, administration and interpretation of the Stanford-Binet Intelligence Scale. Supervised practice in administration. Prerequisite: Education 456 or equivalent.

528. THEORIES OF LEARNING (3) . F.
A course designed to promote understanding of the theories of learning currently in use. The emphasis is on the use of theory in research activities concerning retention, transfer, generalization, and forgetting. Prerequisite: 455.
530. THEORIES OF PERSONALITY (3) . S.
A critical study of individual theories of personality structure and development with their characteristic research and influence.
531. ADVANCED GENERAL PSYCHOLOGY (3) . SS.
A critical study of some of the major experimental and research findings and methods in contemporary psychology. Prerequisite: 202, nine hours in psychology.
532. EVALUATION OF EXCEPTIONAL CHILDREN (3) . W.
A study of special diagnostic procedures with children who have physical, intellectual, sensory impairments. Prerequisite: Education 456 or equivalent.
- 534 [Ed. 534]. ADVANCED STATISTICS (3) . SS.
A continuation of Psychology 325. Statistical estimation, inference, hypothesis testing, scaling, and the use of quantitative models in design and analysis of research. Prerequisite: 325 or the equivalent.
535. ADVANCED ABNORMAL PSYCHOLOGY (3) . Ex.; SS.
A critical examination of major theories and data concerning the emotionally handicapped. Recent findings and experimental research are emphasized. Prerequisites: 402 and nine hours in psychology.
540. SEMINAR IN PSYCHOLOGY (3) . SS.
A survey of the major theories in various fields of psychology with particular consideration being given to unresolved issues. Individual study and research are emphasized. Prerequisites: 202, 325, and nine hours in psychology.

CURRICULUM IN SCIENCE

A major in science leading to the Bachelor of Science degree and teacher certification consists of at least sixty-two hours in science and mathematics, in addition to General Education requirements, including Biology 201-202-203, 204-205-206, Chemistry 201-202-203, Geology 201-202, Physics 201-202-203 or 204-205-206, 215, Mathematics 211, and twelve hours electives in science and/or mathematics. A student is required to take the Common Examinations and a Science Examination of the National Teacher Examination.

Curriculum in Science Leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year	Hours	Sophomore Year	Hours
Biology 104-105-106	12	Biology 201-202-203	9
Education 100	1	Chemistry 101-102-103	
English 101-102-103	9	or 104-105-106	12-13
History 101, 102, 103	9	English 201, 202, 203	9
Mathematics 101-102-108		History 201, 202	6
or 107-108	11-10	Mathematics 211	5
Physical Education	3	Physical Education	3
Psychology 201	3	Physics 201-202-203	
Speech 101	3	or 204-205-206	12-15
	51-50		56-60

Junior Year	Hours	Senior Year	Hours
Biology 204-205-206	9	Education 407	15
Chemistry 106 or elective	5-3	Education 409 or elective	3
Chemistry 201-202-203	12	Humanities electives	6
Education 301-302	6	Mathematics or Science electives	12
Education 409 or elective	3	Physics 215	3
Geology 201-202	6	Social Science electives	6
Psychology 304-305-306	9	Elective	3
	50-48		48

CURRICULUM IN SOCIAL SCIENCE

The offerings in the social sciences are designed to develop an understanding and appreciation of our rich and unique heritage. The approach and presentation are such that teachers and other responsible citizens may be able to define pertinent issues, gather essential facts, state problems clearly, distinguish objective data from opinions and emotions, think critically and creatively, generalize, and transfer generalizations to effective ways of acting and living. The social science required in General Education strives to provide basic needs in social growth and development for those who go out as college-prepared individuals. Additional courses, taken as electives or to fulfill the requirements for social science majors, provide depth and breadth for those who will direct and lead as teachers of social science or as substantial citizens in local, national, and international affairs.

Specialization in social science leading to the Bachelor of Science degree and teacher certification consists of sixty quarter hours in addition to General Education requirements, including History 203; six consecutive hours from History 301, 302, 303; History 305 (3 hours); History 306; six hours in the 400 course level; Economics 201-202-203; Geography 101, 102, and three hours elective; Political Science 201, 203, and three hours elective; Sociology 201 and three hours elective; Anthropology 210, English 301, 302, 303. A student is required to take the Common Examinations and the Social Science Examination of the National Teacher Examination.

Curriculum in Social Science Leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year	Hours	Sophomore Year	Hours
Education 100	1	Biology 101-102-103	9
English 101-102-103	9	Economics 201-202-203	9
Geography 101, 102	6	English 201, 202, 203	9
History 101, 102, 103	9	History 201, 202, 203	9
Mathematics 101-102-103	9	Humanities elective	3
Physical Education	3	Physical Education	3
A Physical Science	9-12	Political Science 201, 203	6
Speech 101	3	Psychology 201	3
	49-52	Sociology 201	3
			54

Junior Year	Hours	Senior Year	Hours
Anthropology 210	3	Education 407	15
Education 301-302	6	Education 410 or elective	3
Education 410 or elective	3	History electives	6
English 301, 302, 303	9	Social Science electives	6
History 301, 302, or 303	6	Electives	15
History 305	3		—
History 306	3		45
Humanities elective	3		
Psychology 304-305-306	9		
	—		
	45		

DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY

A. M. DENTON, JR., *Acting Chairman*, B. C. PATE.

A major in sociology and anthropology leading to the Bachelor of Arts degree consists of thirty-six quarter hours above General Education requirements, including Sociology 201, 202, 325, 440, Anthropology 210, and twenty-one quarter hours in approved electives. A student is required to take the Aptitude Test and the Advanced Test of the Graduate Record Examination.

A minor in sociology and anthropology consists of eighteen quarter hours, including Sociology 201, 202, Anthropology 210, and nine quarter hours in approved electives.

A major in sociology and anthropology leading to the Bachelor of Science degree and teacher certification consists of thirty-six quarter hours above General Education requirements, including Sociology 201, 202, 325, 440, Anthropology 210, and twenty-one quarter hours in approved electives. A student is required to take the Common Examinations and the Social Science Examination of the National Teacher Examinations.

For the curriculum in social science leading to the Bachelor of Science degree and teacher certification, see page 158.

Curriculum in Sociology and Anthropology Leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year	Hours	Sophomore Year	Hours
Education 100	1	Biology 101-102-103	
English 101-102-103	9	or 104-105-106	9-12
History 101, 102, 103	9	English 201, 202, 203	9
Mathematics 101-102-103		History 201, 202, 203	9
or 107-108	9-10	Humanities electives	6
Physical Education	3	Physical Education	3
A Physical Science	9-12	Political Science 201	3
Speech 101	3	Psychology 201	3
Elective	3	Sociology 201, 202	6
	—		—
	46-50		48-51

Junior Year	Hours	Senior Year	Hours
Anthropology 210	3	Education 407	15
Education 301-302	6	Education 410 or elective	3
Education 410 or elective	3	Sociology 440	3
Psychology 304-305-306	9	Sociology electives	9
Sociology 325	3	Electives	15
Sociology electives	12		—
Social Science elective	3		45
Electives	9		
	—		
	48		

The freshman and sophomore years of the curriculum in sociology and anthropology leading to the Bachelor of Arts degree are similar to the curriculum above. The junior and senior years will be devoted to completing major and minor requirements, foreign language requirements, and approved electives.

Courses of Instruction in Sociology and Anthropology

SOCIOLOGY

201. GENERAL SOCIOLOGY (3). F;W;S.
An introduction to the field of sociology. How society and its component parts are structured; analysis of the structure and function of social institutions and groups; relationships of the individual to society. *Prerequisite to all sociology courses except 202 and 302.*
202. SOCIAL PROBLEMS (3). F;S.
Major problems of American society analyzed through the application of basic sociological principles and procedures, impact of social and technological change, analysis and evaluation of techniques utilized by society to alleviate social problems.
300. CRIMINOLOGY (3). F.
The study of crime and delinquency as social phenomena. Nature and types of criminal behavior, theories of causation, control and prevention; methods of treatment.
- 302 [401]. MARRIAGE AND FAMILY RELATIONS (3). F;W;S.
Analysis of the forms and functions of family relationships; sex roles, marital choice, procreation and socialization; history of American family patterns and effects of contemporary social changes.
303. RURAL SOCIOLOGY (3). W.
The structure and functions of rural communities, institutions, social trends, rural-urban relationships, and social progress analyzed within the framework of social change. Not offered 1965-66.
305. URBAN SOCIOLOGY (3). W.
Urbanism as a way of life. Growth and development of urban areas, urban social organization, change and problems; ecological patterning, urban planning and social controls.
310. JUVENILE DELINQUENCY (3). W.
Evaluation of knowledge and research in the causation and correction of juvenile delinquency; family background and socialization, individual life experience, cultural and ecological situations affecting delinquents; analysis of attempts to predict and control delinquency.

320. COLLECTIVE BEHAVIOR (3). F.
Analysis of crowd, mass, public behavior; patterns of leadership, institution-
alization and social control in social movements of various kinds and their
effects upon the social order.
325. ELEMENTARY STATISTICS (3). F;W;S.
A study of the presentation and analysis of quantitative data; statistical
sources; table reading, chart making; introduction to index numbers, cor-
relation, and time series. Same as Economics 325.
405. POPULATION AND SOCIETY (3). W.
Systematic study of the growth and change of populations in relation to
their cultural setting; trends in fertility, mortality, migration, composition
and population policies; national and international implications of recent
population growth trends.
410. FIELD OF SOCIAL WORK (3). F.
Historical background, scope, philosophy, aims, and methods of social work;
study of organization and methods utilized by local agencies, employment
opportunities. Not offered 1965-66.
411. SOCIAL WELFARE (3). W;S.
Study of the relationships between a community's welfare needs and its
social agencies. A large portion of the course is devoted to supervised study
in a social welfare agency. Prerequisite: 410. Not offered 1965-66.
440. SEMINAR IN SOCIAL THEORY (3). S.
The function of theory in social science; interrelationships with methods of
investigation, criteria of acceptability. The course focuses on a specific field
each time offered, such as social control, general sociological theory, social
change, sociology of education.

Senior-Graduate Courses

450. RACE RELATIONS (3). F.
Analysis of intergroup relationships; the bases of conflict, accommodation and
assimilation; the nature and consequences of prejudice and discrimination;
evaluation of proposals for reduction or elimination of prejudice and dis-
crimination. Prerequisite: 201 or 202.
455. FAMILY PROBLEMS (3). W;S.
An evaluation of the causes, preventions, and remedies of problems in
family relationships in a modern and changing America, considered from
the viewpoint of the individual, the school, and the community. Prerequi-
site: 302 or permission of instructor.
460. HISTORY OF SOCIAL THOUGHT (3). W.
The evolution of social thought in Western culture; analysis of the growth
and development of theories of society. Prerequisite: 201 or Philosophy 203.
Not offered 1965-66.

Graduate Courses

501. SOCIOLOGY OF THE FAMILY (3). F.
The origin and development of the family as a social institution; the con-
temporary family in various cultures; the relationship of the family to the
economic, political, religious, and educational institutions in American
society.

502. CONCEPTS IN SOCIOLOGY (3). F.
Systematic survey and critical analysis of selected sociological concepts and theories.
510. SOCIAL STRUCTURE (3). S.
An analysis of social stratification, its nature and function, caste, estates, classes, rank and prestige; community power structures; bureaucratic organization.
540. SEMINAR (3-6). W.
A specialized course involving advanced study, research, and writing by small groups in selected areas. Students may enroll twice in this course for credit totaling six quarter hours; but in no case shall students receive credit for a seminar which duplicates the content of one for which they have previously received credit.

ANTHROPOLOGY

210. GENERAL ANTHROPOLOGY (3). F;W;S.
An introduction to the field of anthropology; a study of the major racial groups and their characteristics; archaeological evidence of cultural evolution and growth.
310. CULTURAL ANTHROPOLOGY (3). W.
The nature of culture and society; a study of a variety of cultures on different developmental levels, including social, economic, political, educational, and religious systems and their interrelationships; a comparison of pre-literate with contemporary societies.
410. PHYSICAL ANTHROPOLOGY (3). S.
A study of the development of man; formation of races; racial differences; human genetics. Prerequisite: 210 or 310.

Graduate Course

505. CULTURE AND PERSONALITY (3). W.
Analysis of the influences of culture upon the thoughts and actions of the individuals within our own and other societies.

DEPARTMENT OF SPEECH

T. L. TEDFORD, *Chairman*, J. LOU CARPENTER, D. FRENCH, J. W. OUTZS

The department of speech offers a balanced program of courses in the areas of drama, public address, speech pathology, broadcasting, and oral interpretation. The department actively supports student organizations which are related to speech, such as Playcrafters, Alpha Psi Omega Dramatics Society, the Appalachian Debating Union, and Pi Kappa Delta Forensics Society. In addition, the department sponsors the Appalachian Radio Workshop, which broadcasts programs weekly during the winter and spring quarters over Radio Station WATA of Boone. Speech majors are expected to participate in dramatics, forensics, and broadcasting activities.

A major in speech leading to the Bachelor of Arts degree consists of forty-two quarter hours above General Education requirements, including 205, 206, 207, 304, 305, 306, 310, 401; one course from 450, 453, 458, 460; and fifteen quarter hours in approved electives. The student is required to take the Aptitude Test and the Advanced Test in Speech of the Graduate Record Examination.

A minor in speech consists of twenty-one quarter hours above General Education requirements, including 206, 207, 304, 310, and nine quarter hours in approved electives.

A major in speech leading to the Bachelor of Science degree and teacher certification consists of a minimum of fifty-one quarter hours in speech and related courses above General Education requirements. These will include Speech 205, 206, 207, 303, 304, 305, 306, 308, 401, 402, and six additional hours in speech; Art 104; English 304 or 305, 307 or 401, 452, 453. A student is required to take the Common Examinations of the National Teacher Examination.

Curriculum in Speech Leading to the Bachelor of Science Degree and Teacher Certification

Freshman Year	Hours	Sophomore Year	Hours
Biology 101-102-103	9	English 201, 202, 203	9
Education 100	1	History 201, 202	6
English 101-102-103	9	Humanities electives	6
History 101, 102, 103	9	Physical Education	3
Mathematics 101-102-103	9	A Physical Science	9-12
Physical Education	3	Social Science electives	6
Psychology 201	3	Speech 205, 206, 207	9
Speech 101	3		-----
Elective	3		48-51

	49		
Junior Year	Hours	Senior Year	Hours
Art 104	3	Education 407	15
Education 301-302	6	English 452, 453	6
Education 418	3	Speech 401	3
English 304 or 305	3	Speech electives	6
English 307 or 401	3	Electives	15
Psychology 304-305-306	9		-----
Speech 303, 304, 305	9		45
Speech 306, 308, 402	9		
Electives	9		

	54		

The department recommends that a major in speech use electives to take additional courses in psychology and build up a teaching competence in a related field, particularly English.

The freshman and sophomore years of the curriculum in speech leading to the Bachelor of Arts degree are similar to the first two years of the above curriculum. The junior and senior years will be devoted to completing major and minor requirements, foreign language requirements, and approved electives.

SPEECH

010. SPEECH IMPROVEMENT (0). F;W;S.
Basic instruction in pronunciation, articulation, and voice for students with non-clinical speech problems. Required of students as indicated by speech placement test given by the Speech Clinic.
020. SPEECH CLINIC (0). F;W;S.
Speech therapy for students with clinical speech problems. Required of students as indicated by speech placement test given by the Speech Clinic.

101. FUNDAMENTALS OF SPEECH (3). F;W;S.
A study of the mechanics of voice production, including respiration, phonation, resonation, articulation, pronunciation, using college level word lists. Prerequisite to all speech courses.
- 205 [302]. ARGUMENTATION AND DEBATE (3). F.
A study of the principles of argumentation and debate; analysis, briefing, evidence, reasoning, and refutation; class debating on vital questions; an introduction to parliamentary procedure.
206. INTERPRETATIVE READING (3). S.
Oral interpretation of literature including the ballad, lyric and narrative poetry, the article and short story; reviewing plays and novels; story telling; readings from Shakespeare and the Bible.
- 207 [301]. PUBLIC SPEAKING (3). F;W;S.
The principles of effective public speaking; preparation and presentation of different types of speeches.
303. FUNDAMENTALS OF ACTING (3). F.
Study of breath and body control, pantomime, and the psychological and interpretive approach of the actor; studio production of scenes from plays.
304. PHONETICS (3). F.
The phonetic basis of English speech sound, using the International Phonetic Alphabet; regional dialects and standards of pronunciation.
305. INTRODUCTION TO SPEECH CORRECTION (3). W.
Normal speech development; a survey of speech problems which are encountered by the classroom teacher; some attention to speech therapy. Prerequisite: 304.
306. INTRODUCTION TO BROADCASTING (3). W.
Radio and television broadcast procedures; program types and standards; laboratory practice in radio speaking; production of programs for the Appalachian Radio Workshop.
308. GROUP DISCUSSION (3). F.
Theory and practice of group discussion as a means of democratic decision-making; a study of the forms of discussion.
310. HISTORY OF THE THEATRE (3). W.
A study of the theatre as an institution; its practice, techniques, and relation to dramatic literature from the Greeks to the present. Representative plays will be analyzed in relation to the theatre.
401. PLAY PRODUCTION (3). W.
An introduction to the technical problems of play production; study of scene design and construction, lighting, make-up, and costuming. Current college theatre production used as a demonstration workshop. Preparation of a production book.
402. PLAY DIRECTING (3). S.
Analysis of scripts; actor coaching; types of control available to the director; application of theory to the direction of several scenes. Lecture and laboratory.
415. RADIO AND TELEVISION PROGRAM PRODUCTION (3). S.
Types of programs; practice in casting and producing radio and television programs; use of music, sound effects. Prerequisite: 306.

418. TEACHING SPEECH (3). S.
Same as Education 418.

Senior-Graduate Courses

- 450 [410]. SPEECH PATHOLOGY (3). S.
Etiology and therapy involved in principal pathologies of speech including organic and functional disorders; stuttering; speech of the acoustically handicapped. Prerequisite: 305.
- 453 [411]. AUDIOMETRIC TESTING (3). W;SS.
A study of the fundamentals of audiometric testing; the nature, causes, and diagnosis of hearing difficulties and programs and methods employed in the conservation of hearing. Supervised practice in basic audiometric procedures.
455. PERSUASIVE SPEAKING (3). SS.
Theory and practice of persuasive speaking; study of audience analysis; preparation and delivery of speeches to convince, actuate, and stimulate. Prerequisite: Speech 207 or graduate standing.
- 458 [412]. CLINICAL METHODS IN SPEECH CORRECTION (3). S.
Observation, supervised planning and practice in therapy for children with minor speech deficiencies. Prerequisite: permission of instructor.
460. SPEECH PROBLEMS OF EXCEPTIONAL CHILDREN (3). F.
Speech problems associated with mental retardation, neuromuscular disorders, hearing loss; emphasis on speech and language development of the retarded child. Required of majors in special education who have not had Speech 305.

SUMMARY OF ENROLLMENT, 1964-1965

Summer Session, 1964

First term	2,173
Second term	1,899
Total number enrolled	4,072

Fall Quarter

Freshmen	997
Sophomores	624
Juniors	715
Seniors	695
Special	28
Graduates	369
Extension	337
Total number enrolled	3765

Winter Quarter

Freshmen	969
Sophomores	582
Juniors	647
Seniors	642
Special	11
Graduates	277
Extension	149
Total number enrolled	3277

Spring Quarter

Freshmen	860
Sophomores	555
Juniors	603
Seniors	665
Special	13
Graduates	387
Extension	341
Total number enrolled	3424
Total number enrolled during the year	4456

Degrees Conferred

	June, 1964	August, 1964
Bachelor of Science	443	133
Master of Arts	36	224
Total number of degrees conferred	479	357

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REGISTRATION SCHEDULES

1965-1966

FALL QUARTER

8:30 to 9:30		T through Z
9:30 to 10:30		O through S
10:30 to 11:30	.....	L through N
1:00 to 2:00	.....	Ci through Greene
2:00 to 3:00	.....	A through Ch
3:00 to 4:00	.....	Greer through K
4:00 to 5:00	.....	Late arrivals and special cases

WINTER QUARTER

8:30 to 9:30	.....	O through S
9:30 to 10:30	.....	L through N
10:30 to 11:30	.....	Ci through Greene
1:00 to 2:00	.....	A through Ch
2:00 to 3:00	.....	Greer through K
3:00 to 4:00	.....	T through Z
4:00 to 5:00	.....	Late arrivals and special cases

SPRING QUARTER

8:30 to 9:30	.....	L through N
9:30 to 10:30	.....	Ci through Greene
10:30 to 11:30	.....	A through Ch
1:00 to 2:00	.....	Greer through K
2:00 to 3:00	.....	T through Z
3:00 to 4:00	.....	O through S
4:00 to 5:00	.....	Late arrivals and special cases

